

Volume

#

R0563

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ORIGINAL
FIELD NOTES

OF THE

INDEPENDENT RESURVEY

OF THE

EAST BOUNDARY

AND THE SURVEY

OF THE

NORTH BOUNDARY

AND A PORTION OF THE SUBDIVISION

OF

TOWNSHIP 17 SOUTH, RANGE 16 WEST

Of the Salt Lake Meridian,

In the State of Utah

EXECUTED BY

Vern E. Lane, Cadastral Surveyor (Chief of Party)

Lacel E. Bland, Cadastral Surveyor

Under special instructions dated August 4, 1954, which provided
for the surveys included under Group No. 407, approved September 7, 1954
and assignment instructions dated May 1, 1959

Survey commenced August 28, 1959

Survey completed September 11, 1959

INDEX DIAGRAM

Township 17 South, Range 16 West

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2370

Township 17 S., Range 16 West

Chains

The east boundary and a portion of the south boundary were surveyed by A. J. Stewart Jr. in 1884. The west boundary and a portion of the south boundary were surveyed, and a portion of the south boundary was independently resurveyed concurrently; they are described in the field notes of T. 17 S., R. 17 W. and T. 18 S., R. 16 W., respectively.

The following field notes are those of the independent resurvey of the east boundary, and the survey of the north boundary and a portion of the subdivision of T. 17 S., R. 16 W., deemed sufficient to facilitate the development of the natural resources and mark the boundaries of those sections that are normally considered state school sections.

The survey was executed with a W. & L. E. Gurley Solar Transit No. 580515 constructed in accordance with the standard instrumental specifications of the Bureau of Land Management. The instrument was in good condition prior to the beginning of the survey and was maintained in proper adjustment throughout the progress of this survey.

Corners on east-west lines were set on the true latitudinal curve. Lines connecting previously established corners were run by random and true method, but for simplification of the record the random lines are omitted from the field notes. In accordance with the intent of the special instructions, all subdivisional corners established are calculated to be at the position they would occupy if the entire township were subdivided.

Measurements herein contained were made with a narrow steel tape, 8 chains in length, graduated every link for the first 100 links and thereafter at intervals of 10 links. The tape was tested by comparison with a 1 chain standard steel tape and found to be correct. Measurements were made on the slope with the vertical angle of each interval ascertained by a clinometer in good adjustment; horizontal equivalents alone are entered in the field notes. All lines of this survey were run by direct method where the lines were accessible; lines inaccessible were run by traverse or triangulation methods. Distances to topography on lines run by traverse or triangulation are approximately as scaled from U. S. G. S. topographic sheets. The details of such traverses or triangulations have been thoroughly checked and verified, and in order to simplify the record the diagrams and reductions are omitted from these field notes.

The direction of the lines of this survey were determined by reference to true meridians established on line by hour angle observations on Polaris or altitude observations on the sun. The lines were carried forward by sustained angulation being supplemented by other numerous altitude observations on the sun taken throughout the progress of the survey.

The geographic position for the southeast corner of the township is at latitude $39^{\circ} 16' 45.9''$ N. and longitude $113^{\circ} 35' 05.0''$ W. as adjusted from traverses along section lines to U. S. G. S. triangulation station "Confusion."

The magnetic declination was read at a number of stations throughout the township and the average of these readings was found to be $16^{\circ} 30'$ E.

Independent Resurvey of the East Boundary of T. 17 S., R. 16 W., Superseding the Survey Executed by A. J. Stewart Jr. in 1884. (No evidence of any original corners was found along this line.)

Beginning at the cor. of Tps. 17 and 18 S., Rs. 15 and 16 W., an iron post, $2\frac{1}{2}$ ins. diam., set, mkd. and witnessed as described in the concurrent survey of T. 18 S., R. 16 W.

Independent Resurvey, E. Bdy., T. 17 S., R. 16 W.

Chains

North, bet. secs. 31 and 36.

Over rolling desert valley, draining NE.; desc. 60 ft. over NE. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 31 and 36.Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T17S
R16W R15W
 $\frac{1}{4}$
S36|S31
1959

Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.

Desc. 20 ft. over NE. slope.

47.50 Wash, 20 lks. wide, 2 ft. deep, drains N. 70° E.; desc. 30 ft. over NE. slope.70.30 Wash, 20 lks. wide, 2 ft. deep, drains N. 80° E.

80.00 Point for the cor. of secs. 25, 30, 31 and 36.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T17S
R16W R15W
S25|S30
S36|S31
1959

Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.

Land, rolling desert.

Soil, gravel, sand and clay.

Timber, none.

North, bet. secs. 25 and 30.

Over gently rolling desert, draining E.

1.80 Wash, 20 lks. wide, 3 ft. deep, drains N. 80° E.

10.50 Wash, 10 lks. wide, 3 ft. deep, drains E.

35.50 Wash, 10 lks. wide, 2 ft. deep, drains N. 80° E.40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 25 and 30.Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T17S
R16W R15W
 $\frac{1}{4}$
S25|S30
1959

Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.46.30 Wash, 10 lks. wide, 3 ft. deep, drains N. 80° E.

Section 17 S., R. 16 W., T. 17 S., R. 16 W.

Chains

56.30	Wash, 10 lks. wide, 2 ft. deep, drains NE.
57.80	Wash, 10 lks. wide, 2 ft. deep, drains N. 80° E., 2.00 chs. to above wash.
70.30	Wash, 80 lks. wide, 2 ft. deep, drains N. 70° E.
75.00	Wash, 20 lks. wide, 3 ft. deep, drains N. 60° E.
80.00	Point for the cor. of secs. 19, 24, 25 and 30.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.
	T17S R16W R15W S24 S19 S25 S30 1959
	Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor.
	Cor. is located 30 ft. below ¼ sec. cor.
	Land, gently rolling.
	Soil, gravel, sand and clay.
	Timber, none.
	North, bet. secs. 19 and 24.
	Over gently rolling land, draining NE.; desc. 10 ft. over NE. slope.
6.00	Wash, 10 lks. wide, 2 ft. deep, drains NE.; desc. 20 ft. over NE. slope.
27.00	Trail road, bears SW. and NE.
33.10	Wash, 10 lks. wide, 2 ft. deep, drains N. 70° E.
35.70	Bladed road, bears N. 60° E. and S. 60° W.; desc. 10 ft. over NE. slope.
40.00	Point for the ¼ sec. cor. of secs. 19 and 24.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.
	T17S R16W R15W ¼ S24 S19 1959
	Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor.
	Desc. 30 ft. over gently rolling NE. slope to the sec. cor.
45.80	Wash, 10 lks. wide, 2 ft. deep, drains N. 70° E.
50.70	Graded road, bears N. 55° W. and S. 55° E.; wash, 30 lks. wide, 2 ft. deep, drains NE.
59.50	Wash, 20 lks. wide, 2 ft. deep, drains N. 80° E.
63.50	Wash, 50 lks. wide, 2 ft. deep, drains N. 60° E.
80.00	Point for the cor. of secs. 13, 18, 19 and 24.

Independent ... E. Bdv ... T. 17 S. R. 16 W.

Chains

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T17S

R16W R15W

S13 | S18

S24 | S19

1959

Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor.

Land, gently rolling.

Soil, gravel, sandy loam and clay.

Timber, none.

North, bet. secs. 13 and 18.

Over gently rolling land, draining NE.; desc. 10 ft. over NE. slope.

14.10 Wash, 10 lks. wide, 2 ft. deep, drains NE.; desc. 10 ft. over NE. slope.

29.00 Wash, 20 lks. wide, 2 ft. deep, drains N. 60° E.; desc. 10 ft. over NE. slope.

39.10 Small wash, drains NE.

40.00 Point for the ¼ sec. cor. of secs. 13 and 18.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T17S

R16W R15W

¼

S13 | S18

1959

Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor.

46.40 Wash, 30 lks. wide, 3 ft. deep, drains N. 80° E.

80.00 Point for the cor. of secs. 7, 12, 13 and 18.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T17S

R16W R15W

S12 | S 7

S13 | S18

1959

Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor.

Land, gently rolling.

Soil, sandy loam, gravel and clay.

Timber, none.

E. Bdy. T. 17 S. R. 16 W.

Chains

North, bet. secs. 7 and 12.

Over gently rolling desert, draining NE.

2.00 Wash, 20 lks. wide, 2 ft. deep, drains N. 70° E.; desc. 20 ft. over NE. slope.

39.50 Wash, 50 lks. wide, 2 ft. deep, drains N. 70° E.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 7 and 12.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T17S

R16W R15W

$\frac{1}{4}$

S12 | S 7

1959

Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor.

50.90 Wash, 20 lks. wide, 2 ft. deep, drains N. 70° E.; thence over gently rolling valley, draining E.

80.00 Point for the cor. of secs. 1, 6, 7 and 12.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T17S

R16W R15W

S 1 | S 6

S12 | S 7

1959

Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor.

Land, gently rolling.

Soil, sandy loam, gravel and clay.

Timber, none.

North, bet. secs. 1 and 6.

Over nearly level land, draining E.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 1 and 6.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T17S

R16W R15W

$\frac{1}{4}$

S 1 | S 6

1959

Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor.

52.80 Trail road, bears N. 80° W. and S. 80° E.

73.60 Small wash, drains E.

80.00 Point for the cor. of Tps. 16 and 17 S., Rs. 15 and 16 W.

Independent Resurvey E. Bdy. T. 17 S., R. 16 W.

Chains

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T16S
R16W R15W
S36 S31
S 1 S 6
T17S
1959

Raise a mound of stone, 3 ft. base, 2 ft. high, S. of cor.

Land, nearly level.

Soil, sandy loam, gravel and clay.

Timber, none.

Survey of the North Boundary of T. 17 S., R. 16 W.

From the cor. of Tps. 16 and 17 S., Rs. 15 and 16 W., hereinbefore described.

S. $89^{\circ} 58' W.$, bet. secs. 1 and 36.

Over gently rolling desert valley, draining NE.; asc. 50 ft.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 1 and 36.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T16S R16W
S36
 $\frac{1}{4}$ S 1
T17S
1959

Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, N. of cor.

41.00 Wash, 50 lks. wide, 1 ft. deep, drains N. $60^{\circ} E.$; asc. 40 ft. over NE. slope.

61.80 Trail road, bears N. and S.; asc. 30 ft. over NE. slope.

80.00 Point for the cor. of secs. 1, 2, 35 and 36.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T16W R16W
S35 S36
S 2 S 1
T17S
1959

Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.

Land, gently rolling.

Soil, sandy loam, gravel and clay.

Timber, none.

S. $89^{\circ} 58' W.$, bet. secs. 2 and 35

Over gently rolling valley, draining NE.; asc. 60 ft.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 35.

T. 117. S. 34. R. 16. W. 4.

Chains

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T16S R16W

 $\frac{1}{4}$ S35

S 2

T17S

1959

Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.

40.60 Trail road, bears NW. and S. 80° E.

43.60 Small wash, drains NE.; asc. 30 ft. over NE. slope.

56.80 Wash, 30 lks. wide, 2 ft. deep, drains N. 80° E.; asc. 40 ft. over NE. slope.

80.00 Point for the cor. of secs. 2, 3, 34 and 35.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T16S R16W

 $\frac{1}{4}$ S34

S 3

T17S

1959

Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.

From this cor., U. S. G. S. B.M., bears N. $45^{\circ} 53'$ W., 18.56 chs. dist. an iron post, 3 ins. diam., with brass cap mkd.

DATUM

4735 feet

1908

Land, gently rolling.

Soil, sandy loam, gravel and clay.

Timber, none.

S. $89^{\circ} 58'$ W., bet. secs. 3 and 34.

Over gently rolling desert valley, draining NE.

4.10 Wash, 30 lks. wide, 2 ft. deep, drains NE.; asc. 80 ft. over NE. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 3 and 34.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T16S R16W

 $\frac{1}{4}$ S34

S 3

T17S

1959

Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, N. of cor.

44.80 Small wash, drains NE.; asc. 60 ft. over NE. slope.

70.00 Wash, 1.50 chs. wide, 2 ft. deep, drains N. 60° E.; asc. 10 ft. over NE. slope.

Surve , N. Bdy. T. 17 S. R. 16 W.

Chains

- 78.00 Wash, 1.00 ch. wide, 1 ft. deep, drains NE.
80.00 Point for the cor. of secs. 3, 4, 33 and 34.
Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T16S R16W

S33 | S34

S 4 | S 3

T17S

Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.

Land, gently rolling.

Soil, sandy loam, gravel and clay.

Timber, none.

S. $89^{\circ} 58'$ W., bet. secs. 4 and 33.

Over gently rolling land, draining NE.; asc. 10 ft.

- 12.80 Wash, 20 lks. wide, 2 ft. deep, drains NE.; asc. 20 ft. over NE.slope
18.30 Wash, 30 lks. wide, 1 ft. deep, drains NE.; asc. 30 ft. over NE.slope
40.00 Point for the $\frac{1}{2}$ sec. cor. of secs. 4 and 33.
Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T16S R16W

$\frac{1}{2}$ S33

S 4

T17S

1959

Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, N. of cor.

- 41.50 Small wash, drains NE.; asc. 30 ft. over NE. slope.
54.70 Graded road, bears N. 10° E. and S. 10° W.; asc. 40 ft. over NE.slope
74.50 Wash, 80 lks. wide, 2 ft. deep, drains NE.; asc. 10 ft. over NE.slope
80.00 Point for the cor. of secs. 4, 5, 32 and 33.
Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T16S R16W

S32 | S33

S 5 | S 4

T17S

1959

Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.

Land, gently rolling.

Soil, sandy loam, gravel and clay.

Timber, none.

T. 17. R. 16. W. 16

Chains

S. 89° 58' W., bet. secs. 5 and 32.

Over gently rolling desert valley, draining E.; asc. 90 ft.

38.40 Wash, 40 lks. wide, 2 ft. deep, drains S. 80° E.

40.00 Point for the 1/4 sec. cor. of secs. 5 and 32.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.

T16S R16W

1/4 S32
S 5

T17S
1959

Raise a mound of stone, 2 1/2 ft. base, 2 ft. high, N. of cor.

Asc. 100 ft. over E. slope.

69.00 Same wash, drains N. 85° E.

72.60 Trail road, bears N. and S.; asc. 10 ft. over E. slope.

75.40 Same wash, drains S. 80° E.; asc. 10 ft. over E. slope.

80.00 Point for the cor. of secs. 5, 6, 31 and 32.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.

T16S R16W

S31 S32
S 6 S 5

T17S
1959

Raise a mound of stone, 2 1/2 ft. base, 2 ft. high, W. of cor.

Land, gently rolling.

Soil, sandy loam, gravel and clay.

Timber, none.

S. 89° 58' W., bet. secs. 6 and 31.

Over rolling desert valley, draining E.; asc. 60 ft.

25.30 Small wash, drains S. 80° E.; asc. 60 ft. over E. slope.

40.00 Point for the 1/4 sec. cor. of secs. 6 and 31.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.

T16S R16W

1/4 S31
S 6

T17S
1959

Raise a mound of stone, 2 1/2 ft. base, 2 ft. high, N. of cor.

Asc. 20 ft. over E. slope.

Survey N.E. of T. 17 S., R. 16 W.

unsubd

Chains

- 50.40 Wash, 30 lks. wide, 1 ft. deep, drains S. 70° E.; asc. 50 ft. over E. slope.
- 63.20 Small wash, drains SE.; asc. 80 ft. over E. slope.
- 77.60 The cor. of Tps. 16 and 17 S., Rs. 16 and 17 W., as described in the field notes of the survey of T. 17 S., R. 17 W.
- Land, rolling.
- Soil, gravel, sandy loam, and clay.
- Timber, none.

Survey of a Portion of the Subdivision of T. 17 S., R. 16 W.

From the cor. of secs. 1, 2, 35 and 36 on the S. bdy. of the Tp., an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the field notes of the survey of T. 18 S., R. 16 W.

N. 0° 01' W., bet. secs. 35 and 36.

Over broken land, through scattering timber; desc. 20 ft. over N. slope.

- 1.90 Small wash, drains E.; asc. 40 ft. over SE. slope.
- 7.60 Spur, bears NE.; desc. 140 ft. over NW. slope.
- 20.80 Wash, 20 lks. wide, 1 ft. deep, drains E.; asc. 40 ft. over SE. slope.
- 29.70 Spur, bears N. 60° E.; desc. 150 ft. over NW. slope.
- 39.80 Base of steep descent, bears NE. and SW.; thence over rolling desert draining NE.
- 40.00 Point for the ¼ sec. cor. of secs. 35 and 36.
- Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T17S R16W

¼

S35|S36

1959

Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor.

Desc. 20 ft. over N. slope.

- 43.30 Small wash, drains NE.; desc. 60 ft. over N. slope.
- 58.10 Trail road, bears SE. and NW.; desc. 20 ft. over N. slope.
- 65.70 Wash, 20 lks. wide, 2 ft. deep, drains E.; thence along rolling E. slope.
- 80.00 Point for the cor. of secs. 25, 26, 35 and 36.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T. 17 S., R. 16 W.

Chains

T17S R16W

826|825

S35|S36

1959

Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor.

Land, broken and rolling.

Soil, rocky, gravel, sandy loam, and clay.

Timber, scattering juniper.

From the cor. of secs. 25, 30, 31 and 36 on the E. bdy. of the Tp., hereinbefore described.

S. 89° 58' W., bet. secs. 25 and 36.

Over rolling desert land, draining E.; asc. 30 ft.

14.00 Small wash, drains N. 80° E.; asc. 60 ft. over E. slope.

40.00 Point for the ¼ sec. cor. of secs. 25 and 36.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T17S R16W

¼ S25

S36

1959

Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor.

Asc. 80 ft. over E. slope.

80.00 The cor. of secs. 25, 26, 35 and 36.

Land, rolling.

Soil, gravel, sandy loam, and clay.

Timber, none.

From the cor. of secs. 3, 4, 33 and 34 on the S. bdy. of the Tp., an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the field notes of the survey of T. 18 S., R. 16 W.

N. 0° 02' W., bet. secs. 33 and 34.

Over rolling land; desc. 60 ft. over NW. slope.

17.10 Wash, 20 lks. wide, 3 ft. deep, drains N. 30° E.

19.80 Trail road, bears N. 20° E. and S. 20° W.; desc. 30 ft. over rolling NE. slope.

40.00 Point for the ¼ sec. cor. of secs. 33 and 34.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

Survey Portion of Subdivision T. 17 W.

Chains

T17S R16W

$\frac{1}{4}$
S33|S34
1959

Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.

Desc. 40 ft. over NE. slope.

64.00 Slope changes to E.

80.00 Point for the cor. of secs. 27, 28, 33 and 34.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T17S R16W

S28|S27
S33|S34
1959

Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.

Land, rolling.

Soil, gravel, sandy loam, and clay.

Timber, none.

N. $0^{\circ} 02'$ W., bet. secs. 27 and 28.

Over rolling land, along E. slope.

6.80 Begin descent over NE. slope; desc. 80 ft.

20.30 Bladed road, bears E. and W.

21.90 Wash, 60 lks. wide, 3 ft. deep, drains N. 30° E.; asc. 140 ft. over steep and ledgy SE. slope.

33.10 Top of ledge, 70 ft. high, bears N. 20° E. and S. 30° E.; ridge, bears N. 20° E.; desc. 50 ft. over NW. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 27 and 28.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground to bedrock, and in a mound of stone to top, $3\frac{1}{2}$ ft. base, with brass cap mkd.

T17S R16W

$\frac{1}{4}$
S28|S27
1959

Desc. 150 ft. over NW. slope.

69.90 Wash, 10 lks. wide, 2 ft. deep, drains NE.

74.90 Same wash, drains N. 20° W.; desc. 20 ft. over NW. slope.

80.00 Point for the cor. of secs. 21, 22, 27 and 28.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 14 ins. in the ground to bedrock, and in a mound of stone to top, 3 ft. base, with brass cap mkd.

Portion of T. 17 S. R. 16 W.

Chains

T17S R16W

S21|S22

S28|S27

1959

Land, rolling.

Soil, rock, sandy loam, and clay.

Timber, none.

N. 0° 02' W., bet. secs. 21 and 22.

Over rolling desert land, draining NE.; desc. 20 ft.

9.80 Wash, 10 lks. wide, 2 ft. deep, drains N. 10° E.; desc. 10 ft. over NE. slope.

16.80 Small wash, drains NE.; desc. 20 ft. over NE. slope.

28.20 Wash, 30 lks. wide, 1 ft. deep, drains NE.

35.30 Small wash, drains N. 10° E.; desc. 10 ft. over NE. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 21 and 22.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T17S R16W

$\frac{1}{4}$
S21|S22

1959

Raise a mound of stone, 2 $\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.

Desc. 20 ft. over NE. slope.

51.30 Small wash, drains N. 30° E.; desc. 10 ft. over NE. slope.

62.40 Small wash, drains NE.

71.00 Low spur, bears NE.; desc. 10 ft. over N. slope.

75.80 Small wash, drains N. 80° E.

80.00 Point for the cor. of secs. 15, 16, 21 and 22.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T17S R16W

S16|S15

S21|S22

1959

Raise a mound of stone, 2 $\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.

Land, rolling.

Soil, sandy loam, gravel, and clay.

Timber, none.

Survey Portion of Subdivision, T. 17 S. R. 16 W.

Chains

N. 0° 02' W., bet. secs. 15 and 16.

Over gently rolling land, draining NE.; desc. 10 ft.

11.50 Wash, 60 lks. wide, 2 ft. deep, drains NE.; desc. 10 ft. over NE.slop .

15.80 Bladed road, bears NE. and S. 30° W.; desc. 10 ft. over NE. slope.

24.10 Wash, 10 lks. wide, 2 ft. deep, drains NE.

32.20 Wash, 10 lks. wide, 2 ft. deep, drains NE.; desc. 10 ft. over NE.slop .

40.00 Point for the $\frac{1}{2}$ sec. cor. of secs. 15 and 16.Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T17S R16W

$$\begin{array}{r} \frac{1}{2} \\ S16 | S15 \\ 1959 \end{array}$$
Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.

Desc. 10 ft. over NE. slope.

51.00 Wash, 20 lks. wide, 2 ft. deep, drains N, 30° E.; desc. 10 ft. over NE. slope.

65.60 Small wash, drains N. 80° E.; desc. 20 ft. over NE. slope.

77.00 Right bank of wash, bears NE. and SW.; desc. 15 ft. over NW. slope.

80.00 Point for the cor. of secs. 9, 10, 15 and 16.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T17S R16W

$$\begin{array}{r} S 9 | S10 \\ S16 | S15 \\ 1959 \end{array}$$
Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.

From this cor., U. S. C. & G. S. station, bears N. 3° 51' W., 19.80 chs. dist., a 3 ins. brass tablet, set in concrete, mkd.

H-74

1934

The geographic position of this station is lat. 39° 20' 27.40" N. and long. 113° 38' 27.51" W.

Land, gently rolling.

Soil, gravel, sandy loam, and clay.

Timber, none.

N. 0° 02' W., bet. secs. 9 and 10.

Over gently rolling land, draining NE.

3.20 Wash, 50 lks. wide, 2 ft. deep, drains NE.; asc. 10 ft. over SE.slope

4.80 Left bank of wash, bears NE. and SW.; desc. 20 ft. over NE. slope.

20.60 Graded road, bears N. 80° E. and S. 80° W.; desc. 20 ft. over NE.slop .

39.70 Trail road, bears NW. and SE.

Portion of Subdivision T.17 S. R.16 W.

Chains

40.00

Point for the $\frac{1}{4}$ sec. cor. of secs. 9 and 10.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T17S R16W

$\frac{1}{4}$
S 9 | S10

1959

Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.

Desc. 10 ft. over NE. slope.

49.50

Wash, 20 lks. wide, 1 ft. deep, drains N. 80° E.; desc. 30 ft. over gently rolling NE. slope.

71.00

Wash, 2.00 chs. wide, 2 ft. deep, drains NE.

80.00

Point for the cor. of secs. 3, 4, 9 and 10.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T17S R16W

S 4 | S 3

S 9 | S10

1959

Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.

Land, gently rolling.

Soil, sandy loam, gravel and clay.

Timber, none.

N. $0^{\circ} 13'$ W., bet. secs. 3 and 4.

Over gently rolling land, draining NE.

4.90

Wash, 30 lks. wide, 3 ft. deep, drains N. 80° E.; desc. 10 ft. over gently rolling NE. slope.

26.00

Wash, 20 lks. wide, 1 ft. deep, drains N. 80° E.

31.70

Small wash, drains N. 80° E.

39.80

Small wash, drains N. 60° E.

40.00

Point for the $\frac{1}{4}$ sec. cor. of secs. 3 and 4.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T17S R16W

$\frac{1}{4}$
S 4 | S 3

1959

Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.

49.10

Wash, 10 lks. wide, 3 ft. deep, drains E.

75.20

Wash, 1.00 chs. wide, 3 ft. deep, drains N. 70° E.

Survey, Portion of Subdivision, T. 17 S., R. 16 W.

Chains

- 79.10 Wash, 70 lks. wide, 2 ft. deep, drains N. 70° E.
 80.07 The cor. of secs. 3, 4, 33 and 34 on the N. bdy. of the Tp.
 Land, gently rolling.
 Soil, sandy loam, gravel and clay.
 Timber, none.

From the cor. of secs. 2, 3, 34 and 35 on the N. bdy. of the Tp. here-
 inbefore described.

S. 0° 01' E., bet. secs. 2 and 3.

Over gently rolling land, draining NE.

- 6.10 Small wash, draining NE.
 25.60 Wash, 20 lks. wide, 3 ft. deep, drains NE.
 28.80 Wash, 30 lks. wide, 2 ft. deep, drains NE.
 37.60 Small wash, drains E.
 39.30 Small wash, drains NE.
 40.04 Point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 3.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 24 ins. in the ground,
 with brass cap mkd.

T17S R16W

$\frac{1}{4}$
 S 3 | S 2
 1959

Raise a mound of stone, 2 $\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.

- 47.70 Small wash, drains N. 80° E.; asc. 30 ft. over gently rolling NE.
 slope.
 80.04 Point for the cor. of secs. 2, 3, 10 and 11.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 20 ins. in the ground
 and in a collar of stone, with brass cap mkd.

T17S R16W

$\frac{1}{4}$
 S 3 | S 2
 S10 | S11
 1959

Raise a mound of stone, 2 $\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.

Land, gently rolling.
 Soil, sandy loam, gravel and clay.
 Timber, none.

From the cor. of secs. 2, 3, 10 and 11.

N. 89° 57' E., bet. secs. 2 and 11 on a theoretical parallel connect-
 ing the cor. of secs. 1, 6, 7 and 12 on the E. bdy. and the cor. of
 secs. 3, 4, 9 and 10 as specified in the special instructions.

Over gently rolling land, draining NE.

- 1.40 Wash, 40 lks. wide, 1 ft. deep, drains N. 70° E.

Portion of Subdivision, T. 17 S. R. 16 W.

Chains

- 27.60 Trail road, bears NE. and S. 70° W.; desc. 30 ft. over NE. slope.
- 37.40 Small wash, drains NE.
- 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 11.
- Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.
- T17S R16W
 $\frac{1}{4}$ $\frac{S}{S11}$
1959
- Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, N. of cor.
- Desc. 20 ft. over NE. slope.
- 53.30 Small wash, drains NE.; desc. 10 ft. over NE. slope.
- 65.60 Small wash, drains NE.; desc. 20 ft. over NE. slope.
- 80.00 Point for the cor. of secs. 1, 2, 11 and 12.
- Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.
- T17S R16W
 $\frac{S}{S11}$ $\frac{2}{S12}$
1959
- Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.
- Land, gently rolling.
- Soil, sandy loam, gravel and clay.
- Timber, none.
-
- From the cor. of secs. 1, 2, 11 and 12.
- N. $0^{\circ} 01'$ W., bet. secs. 1 and 2.
- Over gently rolling desert land, draining E.
- 9.00 Small wash, drains N. 60° E.
- 33.90 Wash, 20 lks. wide, 2 ft. deep, drains N. 70° E.
- 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 1 and 2.
- Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.
- T17S R16W
 $\frac{1}{4}$ $\frac{S}{S11}$ $\frac{2}{S12}$
1959
- Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.
- 56.40 Wash, 10 lks. wide, 2 ft. deep, drains N. 80° E.
- 66.20 Small wash, drains E.
- 67.40 Small wash, drains S. 80° E.

Survey, Portion of Subdivision, T. 17 S., R. 16 W.

Chains

- 69.50 Wash, 40 lks. wide, 2 ft. deep, drains SE.
- 72.80 Trail road, bears N. 70° W. and S. 70° E.
- 80.02 The cor. of secs. 1, 2, 35 and 36 on the N. bdy. of the Tp.
- Land, gently rolling, draining E.
Soil, sandy loam, gravel and clay.
Timber, none.
- From the cor. of secs. 15, 16, 21 and 22.
- S. 89° 59' W., bet. secs. 16 and 21.
- Over rolling desert land, draining NE.
- 5.70 Bladed road, bears N. 10° E. and S. 10° W.; asc. 10 ft. over NE.slope.
- 10.00 Wash, 1.00 ch. wide, 1 ft. deep, drains NE.; asc. 50 ft. over rolling NE. slope.
- 31.10 Wash, 60 lks. wide, 2 ft. deep, drains NE.; asc. 20 ft. over NE.slope.
- 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 16 and 21.
- Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T17S R16W

$\frac{1}{4}$ S16
S21
1959

Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, N. of cor.

- 41.20 Small wash, near head, drains NE.; asc. 30 ft. over NE. slope.
- 54.80 Wash, 20 lks. wide, 2 ft. deep, drains NE.; asc. 10 ft. over NE.slope.
- 65.50 Trail road, bears NE. and SW.
- 67.50 Small wash, drains NE.; asc. 30 ft. over NE. slope.
- 80.00 Point for the cor. of secs. 16, 17, 20 and 21.
- Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T17S R16W

S17 | S16
S20 | S21
1959

Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.

Land, rolling.
Soil, gravel, sandy loam and clay.
Timber, none.

Portion of T. 17 S., R. 16 W.

Chains

- From the cor. of secs. 16, 17, 20 and 21.
- N. $0^{\circ} 03' W.$, bet. secs. 16 and 17.
- Over rolling land, draining NE.
- .80 Right bank of wash, bears NE. and SW.; desc. 25 ft. over NW. slope.
- 2.30 Small wash, drains NW.; asc. 10 ft. over SE. slope.
- 7.00 Point, bet. washes, bears NE., 1.00 ch. to end; desc. 50 ft. over NW. slope.
- 10.60 Wash, 3.00 chs. wide, 2 ft. deep, drains NE.; asc. 30 ft. over SE. slope.
- 13.70 Left bank of wash, bears NE. and SW.; desc. 50 ft. over rolling NE. slope.
- 36.00 Small wash, drains N. $30^{\circ} E.$; desc. 10 ft. over NE. slope.
- 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 16 and 17.
- Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.
- T17S R16W
S17 S16
1959
- Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.
- Desc. 40 ft. over NE. slope.
- 56.50 Wash, 30 lks. wide, 1 ft. deep, drains NE.; desc. 10 ft. over NE. slope.
- 65.50 Small wash, drains NE.; desc. 10 ft. over NE. slope.
- 69.70 Wash, 10 lks. wide, 2 ft. deep, drains NE.; desc. 10 ft. over NE. slope.
- 80.00 Point for the cor. of secs. 8, 9, 16 and 17.
- Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.
- T17S R16W
S 8 S 9
S17 S16
1959
- Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
- Land, rolling.
Soil, sandy loam, gravel and clay.
Timber, none.
-
- From the cor. of secs. 9, 10, 15 and 16.
- S. $89^{\circ} 59' W.$, bet. secs. 9 and 16.
- Over rolling desert land, draining NE.

Surv Portion of Subdivision T. 17 S. R. 16 W.

Chains	
1.50	Wash, 50 lks. wide, 2 ft. deep, drains NE.; asc. 30 ft. over SE. slope.
4.30	Left bank of wash, bears NE. and SW.; asc. 50 ft. over rolling NE. slope.
40.01	Point for the $\frac{1}{4}$ sec. cor. of secs. 9 and 16. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.
	T17S R16W $\frac{1}{4}$ S 9 S16 1959
	Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, N. of cor. Asc. 10 ft. over NE. slope.
47.80	Small wash, drains NE.; asc. 20 ft. over NE. slope.
64.60	Wash, 10 lks. wide, 2 ft. deep, drains N.
66.00	Trail road, bears SE. and NW.
68.00	Wash, 20 lks. wide, 2 ft. deep, drains NE.; asc. 30 ft. over NE. slope.
79.00	Trail road, bears NE. and SW.
80.02	The cor. of secs. 8, 9, 16 and 17. Land, rolling. Soil, sandy loam, gravel and clay. Timber, none.
	From the cor. of secs. 4, 5, 32 and 33 on the S. bdy. of the Tp., an iron post, $2\frac{1}{2}$ ins. diam., set, mkd. and witnessed as described in the field notes of the survey of T. 18 S., R. 16 W. N. $0^{\circ} 03'$ W., bet. secs. 32 and 33. Over rolling and broken land, through scattering timber; asc. 100 ft. over SE. slope.
8.30	Slope changes to E. slope; desc. 20 ft. along E. slope.
24.00	Spur, bears NE.; thence along E. slope.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 32 and 33. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.
	T17S R16W $\frac{1}{4}$ S32 S33 1959
	Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.
41.00	Ridge, bears NE.; desc. 150 ft. over NW. slope.

Portion of subdivision T. 17 S. R. 16 W.

Chains	
57.60	Wash, 20 lks. wide, 2 ft. deep, drains E.; asc. 30 ft. over S. slope.
62.10	Top of ascent, bears NE. and S. 30° W.; desc. 80 ft. over NW. slope.
68.80	Wash, 10 lks. wide, 2 ft. deep, drains NE.; asc. 220 ft. over SE. slope.
77.10	Ridge, bears N. 10° E.; desc. 30 ft. over NW. slope.
80.00	Point for the cor. of secs. 28, 29, 32 and 33.
	Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to bedrock, and in a mound of stone to top, 3½ ft. base, with brass cap mkd.
	T17S R16W S29 S28 S32 S33 1959
	Land, rolling and broken. Soil, rock, sandy loam, and clay. Timber, scattering juniper.
	From the cor. of secs. 5, 6, 31 and 32 on the S. bdy. of the Tp., an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the field notes of the survey of T. 18 S., R. 16 W.
	N. 0° 03' W.; bet. secs. 31 and 32.
	Over rolling land, through scattering timber; desc. 100 ft. over NE. slope.
13.00	Enter wash, 40 lks. wide, 2 ft. deep, drains N. from S. 20° E.
20.40	Leave wash, drains N. 20° W.; asc. 20 ft. over SW. slope.
25.00	Top of ascent, bears SE. and N.; desc. 50 ft. over N. slope.
33.50	Same wash, drains N. 20° E.; asc. 50 ft. over SE. slope.
40.00	Point for the ¼ sec. cor. of secs. 31 and 32.
	Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground to bedrock, and in a mound of stone to top, 3 ft. base, with brass cap mkd.
	T17S R16W ¼ S31 S32 1959
42.00	Spur, bears NE.; desc. 40 ft. over N. slope.
44.40	Ravine, drains NE.; asc. 20 ft. over SE. slope.
48.90	Ridge, bears NE.; desc. 150 ft. over NW. slope.
71.20	Wash, 20 lks. wide, 1 ft. deep, drains N. 20° E.; desc. 20 ft. over N. slope.
78.90	Same wash, drains N. 10° W.
80.00	Point for the cor. of secs. 29, 30, 31 and 32.

Survey Portion of Subdivision, T. 17 S. R. 16 W.

Chains

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 inq. in the ground, with brass cap mkd.

T17S R16W

S30 S29

S31 S32

1959

Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.

Land, rolling.

Soil, gravel, sandy loam and clay.

Timber, scattering juniper and pinon.

From the cor. of secs. 28, 29, 32 and 33.

S. $89^{\circ} 59'$ W., bet. secs. 29 and 32.

Over rolling land, through scattering timber; desc. 60 ft. over NW. slope.

- 5.40 Small wash, drains N. 20° E.; asc. 30 ft. over E. slope.
 - 8.50 Small spur, bears N. 30° E.; thence over rolling land, draining NE.
 - 22.30 Low ridge, bears N. 20° E.; desc. 30 ft. over NW. slope.
 - 26.30 Wash, 20 lks. wide, 2 ft. deep, drains N. 20° E.; asc. 40 ft. over E. slope.
 - 29.30 Spur, bears N. 20° E.; desc. 30 ft. over NW. slope.
 - 34.50 Small wash, drains N.
 - 38.40 Wash, 20 lks. wide, 1 ft. deep, drains N. 20° E.; asc. 20 ft. over SE slope.
 - 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 29 and 32.
- Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground to bedrock, and in a mound of stone to top, 4 ft. base, with brass ca mkd.

T17S R16W

$\frac{1}{4}$ S29

S32

1959

Asc. 10 ft. over SE. slope.

- 42.00 Spur, bears N. 10° E.; desc. 30 ft. over W. slope.
- 45.50 Small wash, drains N.; asc. 20 ft. over E. slope.
- 49.00 Low spur, bears N.; desc. 20 ft. over W. slope.
- 52.70 Wash, 20 lks. wide, 1 ft. deep, drains N.; asc. 10 ft. over NE. slope
- 58.00 Top of ascent, bears N. and S.
- 60.70 Trail road, bears N. and S.; desc. 30 ft. over NW. slope.
- 63.80 Wash, 40 lks. wide, 1 ft. deep, drains N.; asc. 40 ft. over E. slope.

Survey Portion of Subdivision, T. 17 S., R. 16 W.

Chains

68.00 Spur, bears N.; desc. 50 ft. over NW. slope.

80.00 The cor. of secs. 29, 30, 31 and 32.

Land, rolling.

Soil, gravel, sandy loam and clay.

Timber, scattering juniper.

General Description

The land within this township is low mountainous and rolling desert valley. The southwestern portion of the township is mountainous with high ridges bearing N. 20° E. The remaining portion of the township is rolling to nearly level desert valley. The elevation varies from 6200 feet on the ridges to 4600 feet on the desert. The area drains northeasterly by numerous washes into the desert.

The soil varies from clay and exposed limestone on the ridges to sand, gravel and alkali on the desert.

The timber is composed of juniper and pinon on the higher elevations, of little commercial value.

Principal users of the area are cattlemen and access into the township is provided by a graded gravel road that bears westerly through the township from between sections 19 and 24 on the east boundary, sections 9 and 10, and sections 13 and 18 on the west boundary, and numerous trail roads.

No mineral formations of consequence were noted during the survey.

Chains

2010
2011
2012

FIELD ASSISTANTS

10-53565-2

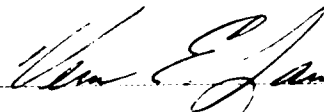
CERTIFICATE OF CADASTRAL ENGINEER

I, Vern E. Lane, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 4th day of August, 1954, I have ~~surveyed~~ supervised the independent resurvey of the east boundary, and survey of the north boundary and a portion of the subdivision of T. 17 S., R. 16 W.

of the Salt Lake Meridian, in the State of Utah, which are represented in the foregoing field notes as having been executed ~~by me and under my direction~~ under my supervision; and that said survey has been made in strict conformity with said instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

Salt Lake City, Utah

March 21, 1960


Vern E. Lane - Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., NOV 25 1960, 19

The foregoing field notes of the ~~survey of~~ independent resurvey of the east boundary; and survey of the north boundary and a portion of the subdivision of T. 17 S., R. 16 W., Salt Lake Meridian, Utah

executed by Lacel E. Bland, Cadastral Surveyor, under the supervision of Vern E. Lane, Cadastral Surveyor having been critically examined and found correct, are hereby approved.


Clark F. Lumm
Acting Cadastral Engineering Staff Officer.

CERTIFICATE OF TRANSCRIPT

~~I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in~~

~~is a true copy of the original field notes.~~

~~Cadastral Engineering Staff Officer.~~

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ORIGINAL
FIELD NOTES

OF THE

SURVEY OF THE EAST AND NORTH BOUNDARIES

AND

A PORTION OF THE SUBDIVISION

OF

TOWNSHIP 17 SOUTH, RANGE 17 WEST

AND

THE DEPENDENT RESURVEY OF THE SNAKE VALLEY GUIDE MERIDIAN

ALONG THE WEST BOUNDARY

WITH THE ESTABLISHMENT OF NEW CORNERS PERTAINING TO

TOWNSHIP 17 SOUTH, RANGE 17 WEST

Of the Salt Lake Meridian,

In the State of Utah

EXECUTED BY

Lacel E. Bland, Cadastral Surveyor

Vern E. Lane, Cadastral Surveyor (Chief of Party)

Under special instructions dated August 4, 1954, which provided
for the surveys included under Group No. 407, approved September 7, 1954
and assignment instructions dated May 1, 1959

Survey commenced July 16, 1959

Survey completed August 7, 1959

INDEX DIAGRAM

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GPO 888118

1942

Township 17 South, Range 17 West

Chains

The Snake Valley Guide Meridian, along the west boundary was surveyed by A. J. Stewart Jr. in 1884 and independently resurveyed by R. E. L. Collier in 1895. The south boundary was surveyed concurrently and is described in the field notes of T. 18 S., R. 17 W.

The following field notes are those of the survey of the east and north boundaries and a portion of the subdivision, and the dependent resurvey of the Snake Valley Guide Meridian, along the west boundary, with the establishment of new corners pertaining to T. 17 S., R. 17 W. deemed sufficient to facilitate the development of the natural resources and mark the boundaries of those sections normally considered state school sections.

The survey was executed with a W. & L. E. Gurley solar transit No. 580515, constructed in accordance with the standard instrumental specifications of the Bureau of Land Management. The instrument was in good condition prior to the beginning of the survey and was maintained in proper adjustment throughout the progress of the survey.

Corners on east-west lines were set on the true latitudinal curve. Lines connecting previously established corners were run by random and true method, but for simplification of the record the random lines are omitted from the field notes. In accordance with the intent of the special instructions, all subdivisional corners established are calculated to be at the position they would occupy if the entire township were subdivided.

Measurements herein contained were made with a narrow steel tape, 8 chains in length, graduated every link for the first 100 links and thereafter at intervals of 10 links. The tape was tested by comparison with a 1 chain standard tape and found to be correct. Measurements were made on the slope with the vertical angle of each interval ascertained by a clinometer in good adjustment; horizontal equivalents alone are entered in the field notes. All lines of this survey were run by direct method where the lines were accessible; lines inaccessible were run by the traverse or triangulation methods. The details of such traverses or triangulations have been thoroughly checked and verified and in order to simplify the record the diagrams and reductions are omitted from these field notes.

The direction of the lines of this survey were determined by reference to true meridians established on line by hour angle observations on Polaris or altitude observations on the sun. The lines were carried forward by sustained angulation being supplemented by other numerous altitude observations on the sun taken throughout the progress of the survey.

The geographic position of the southeast corner of the township is at latitude $39^{\circ} 16' 45.9''$ N. and longitude $113^{\circ} 41' 46.5''$ W. as adjusted from traverses along section lines to U. S. G. S. triangulation station "Confusion" and U. S. C. & G. S. station H-74.

The magnetic declination was read at a number of stations throughout the township and the average of these readings was found to be $16^{\circ} 30'$ East.

Survey of the East Boundary of T. 17 S., R. 17 W.

Beginning at the cor. of Tps. 17 and 18 S., Rs. 16 and 17 W., an iron post, $2\frac{1}{2}$ ins. diam., set, mkd. and witnessed as described in the field notes of the concurrent survey of T. 18 S., R. 17 W.

North, bet. secs. 31 and 36.

Over rolling mountainous land, through scattered timber; desc. 30 ft. over NW. slope.

Surve of the East Bound of T

Chains

- 1.70 Wash, 20 lks. wide, 1 ft. deep, drains N.; desc. 20 ft. along bottom of wash.
 - 9.30 Leave wash, drains N. 20° W.; asc. 10 ft. over SW. slope.
 - 10.10 Top of ascent on W. slope; desc. 30 ft. over NW. slope.
 - 16.10 Same wash, drains NE.; asc. 20 ft. over SE. slope.
 - 23.20 Spur, bears NE.; desc. 60 ft. over NW. slope.
 - 29.50 Trail road, bears NE. and S. 70° W.
 - 30.00 Wash, 20 lks. wide, 2 ft. deep, drains N. 70° E.; asc. 90 ft. over SE. slope.
 - 40.00 Point for the $\frac{1}{2}$ sec. cor. of secs. 31 and 36.
- Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T17S
R17W R16W
 $\frac{1}{2}$
S36|S31
1959

- Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
- Asc. 280 ft. over steep SE. slope.
- 52.50 Ridge, bears SW.; thence along W. slope.
 - 61.20 Spur, bears W.; ridge, bears S. 10° E., thence along E. slope.
 - 66.50 Same ridge, bears NE. and SW.; desc. 260 ft. over steep NW. slope.
 - 80.00 Point for the cor. of secs. 25, 30, 31 and 36.
- Set an iron post, 30 ins. long, 2½ ins. diam., 15 ins. in the ground to bedrock, in a mound of stone, 3 ft. base to top, with brass cap mkd.

T17S
R17W R16W
S25|S30
S36|S31
1959

Land, rolling S. $\frac{1}{2}$, broken N. $\frac{1}{2}$.
Soil, sandy loam, clay and exposed limestone.
Timber, scattered juniper.

North, bet. secs. 25 and 30.

- Over rolling mountainous land; desc. 230 ft. over NW. slope.
- 25.30 Wash, 20 lks. wide, 1 ft. deep, drains NW.; desc. 50 ft. over rolling NW. slope.
 - 40.00 Point for the $\frac{1}{2}$ sec. cor. of secs. 25 and 30.
- Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

of the East Boundary of T. 17 S., R. 17 W.

Chains

T17S
R17W R16W

$\frac{1}{2}$
S25|S30
1959

Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.

Desc. 35 ft. over NW. slope.

47.60 Wash, 30 lks. wide, 2 ft. deep, drains NE.; desc. 20 ft. along E. slope.

61.00 Enter small wash, drains N.; desc. 60 ft. along wash.

79.20 Leave wash, drains NE.; asc. 10 ft. over SE. slope.

80.00 Point for the cor. of secs. 19, 24, 25 and 30.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T17S
R17W R16W

S24|S19
S25|S30
1959

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

Land, rolling mountainous.

Soil, sandy loam, clay, gravelly and exposed limestone.

Timber, none.

North, bet. secs. 19 and 24.

Over rolling mountainous land; asc. 110 ft. over SE. slope.

20.40 Top of ascent on E. slope; desc. 100 ft. over NE. slope.

24.70 Ravine, drains E.; asc. 160 ft. over SE. slope.

34.80 Spur, bears NE.; desc. 120 ft. over NE. slope.

40.00 Point for the $\frac{1}{2}$ sec. cor. of secs. 19 and 24.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 20 ins. in the ground, in a collar of stone, with brass cap mkd.

T17S
R17W R16W

$\frac{1}{2}$
S24|S19
1959

Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.

Desc. 100 ft. over NE. slope.

52.10 Small wash, drains E.; asc. 20 ft. over SE. slope.

60.60 Spur, bears NE.; desc. 140 ft. over NW. slope.

73.10 Small wash, drains NE.; asc. 10 ft. over rolling NE. slope.

80.00 Point for the cor. of secs. 13, 18, 19 and 24.

Survey of the East Boundar of T. 17 S. R. 17 W.

Chains

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T17S
R17W R16W
S13|S18
S24|S19
1959

Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.

Land, rolling mountainous.

Soil, sandy loam, clay and gravelly.

Timber, none.

North, bet. secs. 13 and 18.

Over rolling mountainous land.

- 1.20 Trail road, bears NE. and SW.; desc. 20 ft. over N. slope.
 - 3.60 Wash, 1.00 ch. wide, 2 ft. deep, drains NE.; asc. 20 ft. over SE. slope.
 - 7.50 Same road, bears SE. and N. 30° W.; asc. 10 ft. over S. slope.
 - 9.90 Top of ascent on W. slope; thence over rolling land draining N.
 - 13.00 Same road, bears N. 10° E. and S. 30° W.; desc. 20 ft. over rolling N. slope.
 - 19.80 Same road, bears N. 30° W. and S. 10° E.; desc. 40 ft. over N. slope.
 - 26.50 Small wash, drains NE.; desc. 10 ft. over rolling NE. slope.
 - 37.50 Graded gravel road, bears N. 80° E. and S. 80° W.
 - 40.00 Point for the $\frac{1}{2}$ sec. cor. of secs. 13 and 18.
- Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T17S
R17W R16W
 $\frac{1}{2}$
S13|S18
1959

Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.

Desc. 15 ft. over rolling N. slope.

- 44.00 Wash, 40 lks. wide, 1 ft. deep, drains NE.; asc. 60 ft. over SE. slop .
- 51.60 Spur, bears E.; desc. 25 ft. over NE. slope.
- 57.10 Small wash, drains SE.; asc. 40 ft. over S. slope.
- 61.20 Spur, bears NE.; desc. 25 ft. over NW. slope.
- 64.20 Small wash, drains NE.; asc. 80 ft. over SE. slope.
- 73.10 Ridge, bears N. 50° E.; desc. 110 ft. over N. slope.
- 80.00 Point for the cor. of secs. 7, 12, 13 and 18.

of the East of T. 17 S., R. 17 W.

Chains

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T17S
R17W R16W
S12 | S 7
S13 | S18
1959

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

Land, rolling.

Soil, sandy loam, clay and gravelly.

Timber, none.

North, bet. secs. 7 and 12.

Over rolling land draining NE.; desc. 20 ft. over NW. slope.

4.50 Wash, 20 lks. wide, 2 ft. deep, drains N. 60° E.

8.90 Wash, 40 lks. wide, 2 ft. deep, drains N. 80° E.

12.70 Wash, 30 lks. wide, 3 ft. deep, drains E.; asc. 20 ft. over rolling SE. slope.

31.00 Spur, bears N. 70° E.; desc. 30 ft. over NE. slope.

32.30 Wash, 20 lks. wide, 2 ft. deep, drains N. 70° E.; asc. 20 ft. over SE. slope.

38.30 Low spur, bears N. 80° E.

40.00 Point for the ¼ sec. cor. of secs. 7 and 12.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T17S
R17W R16W
¼
S12 | S 7
1959

Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor.

Cont. over rolling E. slope.

41.00 Small wash, drains N. 80° E.

42.40 Wash, 20 lks. wide, 2 ft. deep, drains N. 80° E.

67.60 Wash, 20 lks. wide, 2 ft. deep, drains N. 60° E.

73.00 Small wash, drains E.

80.00 Point for the cor. of secs. 1, 6, 7 and 12.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

Chains

ailed

T17S
R17W R16W
S1/S6
S12/S 7
1959

Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor.

Land, rolling E. slope.

Soil, sandy loam, gravelly and clay.

Timber, none.

North, bet. secs. 1 and 6.

Over rolling land; along rolling E. slope.

6.20 Wash, 10 lks. wide, 2 ft. deep, drains E.

16.60 Wash, 20 lks. wide, 2 ft. deep, drains E.

23.00 Small wash, drains E.

30.00 Small wash, drains S. 80° E.

36.10 Small wash, drains E.

40.00 Point for the ¼ sec. cor. of secs. 1 and 6.

Set an iron post, 30 ins. long, 2½ ins. diam., 14 ins. in the ground to bedrock, in a mound of stone, 3½ ft. base to top, with brass cap mkd.

T17S
R17W R16W
¼
S1/S6
1959

Cont. along rolling E. slope.

43.20 Small wash, drains E.

48.50 Wash, 20 lks. wide, 2 ft. deep, drains E.

59.10 Wash, 10 lks. wide, 2 ft. deep, drains S. 80° E.

68.30 Wash, 20 lks. wide, 3 ft. deep, drains E.

77.10 Small wash, drains E.

80.00 Point for the cor. of Tps. 16 and 17 S., Rs. 16 and 17 W.

Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground to bedrock, in a mound of stone, 4 ft. base to top, with brass cap mkd.

T16S
R17W R16W
S36/S31
S1/S6
T17S
1959

Land, rolling E. slope.

Soil, sandy loam, gravelly, clay and exposed limestone.

Timber, none.

Survey of the North Boundary of T. 17 S., R. 17 W.

Chains

From the cor. of Tps. 16 and 17 S.; Rs. 16 and 17 W., heretofore described.

S. 89° 59' W., bet. secs. 1 and 36.

Over rolling land draining E.

.80 Trail road, bears S. 20° W. and N. 30° E.; asc. 100 ft. over rolling E. slope.

17.70 Small wash, drains NE.; asc. 30 ft. over rolling E. slope.

25.00 Same wash, drains S. 80° E.; asc. 110 ft. over NE. slope.

40.00 Point for the $\frac{1}{2}$ sec. cor. of secs. 1 and 36.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 10 ins. in the ground to bedrock, in a mound of stone, 4 ft. base to top, with brass cap mkd.

T16S R17W

$\frac{1}{2}$ S36

S 1

T17S

1959

Asc. 30 ft. over NE. slope.

44.50 Same wash, drains N. 80° E.; asc. 240 ft. over steep E. slope.

52.70 Ridge, bears N. and S.; thence along broken N. slope.

53.60 Small wash, drains NW.

55.70 Begin descent over NW. slope; desc. 30 ft.

58.50 Ravine, drains N.; asc. 40 ft. over E. slope.

61.70 Spur, bears N. 20° W.; desc. 110 ft. over steep NW. slope.

69.50 Base of steep descent, bears N. and S.; desc. 40 ft. over rolling W. slope.

80.00 Point for the cor. of secs. 1, 2, 35 and 36.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T16S R17W

S35 | S36

S2 | S1

T17S

1959

Raise a mound of stone, 2 ft. base, 2 ft. high, W. of cor.

Land, rolling and broken.

Soil, sandy loam, clay and exposed limestone.

Timber, none.

S. 89° 59' W., bet. secs. 2 and 35.

Over rolling land, draining W.

2.60 Trail road, bears S. 10° E. and N. 10° E.; desc. 40 ft. over rolling W. slope.

Surve of the North Bounda of T. 17 S. R. 17 W.

Chains

- 18.50 Small wash, drains S. 20° W.; asc. 20 ft. over rolling SE. slope.
- 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 35.
- Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 18 ins. in the ground, in a collar of stone, with brass cap mkd.

T16S R17W

$\frac{1}{4}$ $\frac{S35}{S2}$

T17S

1959

Asc. 90 ft. over rolling SE. slope.

- 65.30 Small spur, bears S. 10° E.; asc. 220 ft. over steep SE. slope.
- 78.60 Ridge, bears S. 10° W.; desc. 40 ft. over steep W. slope.
- 80.00 Point for the cor. of secs. 2, 3, 34 and 35.
- Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground to bedrock, in a mound of stone, $4\frac{1}{2}$ ft. base to top, with brass cap mkd.

T16S R17W

$\frac{S34}{S3}$ $\frac{S35}{S2}$

T17S

1959

Land, rolling and broken.
Soil, sandy loam, clay, gravelly and exposed limestone.
Timber, none.

S. 89° 59' W., bet. secs. 3 and 34.

Over broken land; desc. 90 ft. over steep W. slope.

- 3.10 Base of descent on S. slope; asc. 35 ft. over E. slope.
- 8.00 Spur, bears N.; desc. 60 ft. along broken N. slope.
- 16.50 Spur, bears N. 10° W.; desc. 140 ft. over SW. slope.
- 22.90 Ravine, drains NW.; asc. 25 ft. over NE. slope.
- 24.40 Small spur, bears NW.; desc. 60 ft. over NW. slope.
- 32.30 Spur, bears NW.; desc. 40 ft. over SW. slope.
- 37.10 Wash, 20 lks. wide, 1 ft. deep, drains N. 10° W.; asc. 30 ft. over NE. slope.
- 39.50 Spur, bears N.
- 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 3 and 34.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground, to bedrock, in a mound of stone, 4 ft. base to top, with brass cap mkd.

T16S R17W

$\frac{1}{4}$ $\frac{S34}{S3}$

T17S

1959

the North of T. 17 S. R. 17 W.

Chains	
	Desc. 20 ft. over NW. slope.
42.50	Small ravine, drains N.; asc. 40 ft. over E. slope.
46.00	Spur, bears N.; thence along rolling N. slope.
51.00	Spur, bears N.; desc. 110 ft. over NW. slope.
55.80	Head of ravine, drains NW.; asc. 20 ft. over NE. slope.
59.80	Spur, bears NW.; desc. 80 ft. over SW. slope.
65.70	Small wash, drains N. 80° W.; desc. 40 ft. along N. slope.
80.00	Point for the cor. of secs. 3, 4, 33 and 34.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.
	<div>T16S R17W S33 S34 S4 S3 T17S 1959</div>
	Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
	Land, broken.
	Soil, clay, exposed limestone and sandy loam.
	Timber, none.
	S. 89° 59' W., bet. secs. 4 and 33.
	Over rolling land, draining SW.
.40	Trail road, bears NE. and S. 20° W.; desc. 50 ft. over rolling SW. slope.
13.80	Wash, 20 lks. wide, 1 ft. deep, drains NW.; desc. 60 ft. over rolling W. slope.
34.70	Same wash, drains S. 70° W.; desc. 10 ft. over SW. slope.
40.00	Point for the ¼ sec. cor. of secs. 4 and 33.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.
	<div>T16S R17W ¼ S33 S 4. T17S 1959</div>
	Raise a mound of stone, 2½ ft. base, 2 ft. high, N. of cor.
	Desc. 40 ft. over rolling SW. slope.
58.00	Trail road, bears N. and S.
61.00	Small wash, drains SW.; desc. 30 ft. over rolling SW. slope.
74.90	Small wash, drains SW.; desc. 10 ft. over rolling SW. slope.
80.00	Point for the cor. of secs. 4, 5, 32 and 33.

Chase

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground with brass cap mkd.

T16S R17W

S32 S33

S5 S4

T17S

1959

Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor.

Land, rolling, draining SW.

Soil, sandy loam and gravelly.

Timber, none.

S. 89° 59' W., bet. secs. 5 and 32.

Over gently rolling land draining SW.; desc. 15 ft.

7.00 Small wash, drains SW.; desc. 10 ft. over gently rolling SW. slope.

13.30 Wash, 30 lks. wide, 2 ft. deep, drains S. 30° W.

16.00 Trail road, bears N. 10° W. and S. 10° E.; desc. 40 ft. over gently rolling SW. slope.

40.00 Point for the ¼ sec. cor. of secs. 5 and 32.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T16S R17W

¼ S32

S 5

T17S

1959

Raise a mound of stone, 2½ ft. base, 2 ft. high, N. of cor.

Desc. 10 ft. over gently rolling SW. slope.

48.80 Wash, 20 lks. wide, 2 ft. deep, drains S. 20° W.; desc. 10 ft. over gently rolling SW. slope.

65.60 Wash, 20 lks. wide, 2 ft. deep, drains SW.; desc. 10 ft. over rolling SW. slope.

73.80 Trail road, bears S. 30° W. and N. 30° E.; desc. 10 ft. over rolling SW. slope.

80.00 True point for the cor. of secs. 5, 6, 31 and 32 falls in wash, 30 lks. wide, 2 ft. deep, drains SW., where cor. cannot be perpetuated.

Land, gently rolling.

Soil, sandy loam and gravelly.

Timber, none.

S. 89° 59' W., bet. secs. 6 and 31.

Over gently rolling land draining SW.

.40 Point selected for the witness cor. of secs. 5, 6, 31 and 32.

Survey of the North Boundary of T. 17 S., R. 17 W.

Chains

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T16S R17W

S31 S32 W

S6 S5 C

T17S

1959

Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor.

Desc. 10 ft. over gently rolling SW. slope.

6.50 Wash, 30 lks. wide, 1 ft. deep, drains S. 10° W.; asc. 20 ft. over rolling E. slope.

19.10 Low ridge, bears S.; thence along rolling S. slope.

30.60 Spur, bears S.; desc. 40 ft. over rolling SW. slope.

40.00 Point for the ¼ sec. cor. of secs. 6 and 31.

Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground to bedrock, in a mound of stone, 3 ft. base to top, with brass cap mkd.

T16S R17W

¼ S31

S 6

T17S

1959

Desc. 20 ft. over gently rolling SW. slope.

61.60 Low ridge, bears S. 30° E.; desc. 20 ft. over rolling W. slope.

71.90 Trail road, bears N. and S.; desc. 10 ft. over gently rolling SW. slope.

76.90 Point selected for the witness 1/16 sec. cor. of secs. 6 and 31.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T16S R17W

W S31

C 1/16 S 6

T17S

1959

Raise a mound of stone, 2½ ft. base, 2 ft. high, N. of cor.

77.00 Left bank of wash, bears N. 60° E. and S. 70° W.

80.00 True point for the 1/16 sec. cor. of secs. 6 and 31 falls in wash where cor. cannot be perpetuated.

81.00 Wash, 8.00 chs. wide, 3 ft. deep, drains S. 80° W.; thence along N. side of wash.

96.88 The cor. of Tps: 16 and 17 S.; R. 17 W., an iron post, 2½ ins. diam., hereinafter described.

Land, rolling.

Soil, sandy loam, clay and gravelly.

Timber, none.

Dependent Resurvey of the Snake

Chains

Reestablishment of the survey executed by R. E. L. Collier, Deputy Surveyor, in 1895, with the establishment of new cor. for T. 17 S., R. 17 W.

From the cor. of Tps. 17 and 18 S., R. 17 W., an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the field notes of the concurrent survey of T. 18 S., R. 18 W.

N. 0° 10' W., on the W. bdy. of sec. 31, T. 17 S., R. 17 W.

Over gently rolling land, draining NW.

2.90 The cor. of Tps. 17 and 18 S., R. 18 W., an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the field notes of the concurrent survey of T. 18 S., R. 18 W.

N. 0° 02' W., on the E. bdy. of sec. 36, T. 17 S., R. 18 W., beginning new measurement.

Desc. 50 ft. over gently rolling NW. slope.

37.10 Point for the ¼ sec. cor. of sec. 31, T. 17 S., R. 17 W.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T17S
R18W R17W
¼
S31
1959

Raise a mound of stone, 2½ ft. base, 2 ft. high, E. of cor.

40.03 The ¼ sec. cor. of sec. 36, T. 17 S., R. 18 W., mkd. by a limestone, 12x8x6 ins., firmly set and plainly mkd., originally set for the ¼ sec. cor. of secs. 31 and 36.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T17S
R18W R17W
¼
S36
1959

Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor. and bury the original cornerstone alongside the iron post.

N. 0° 04' W., beginning new measurement.

Desc. 10 ft. over gently rolling NW. slope.

12.00 Wash, 50 lks. wide, 3 ft. deep, drains N. 70° W.; desc. 30 ft. over gently rolling NW. slope.

37.07 Point for the cor. of secs. 30 and 31, T. 17 S., R. 17 W.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T17S
R18W R17W
S36 S30
S31
1959

Chains

Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, E. of cor.

38.40 Wash, 30 lks. wide, 2 ft. deep, drains NW.

40.01 The cor. of secs. 25 and 36, T. 17 S., R. 18 W., mkd. by a limestone, 14x10x6 ins., firmly set and plainly mkd., originally set for the cor. of secs. 25, 30, 31 and 36.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T17S
R18W R17W
 $\frac{S25}{S36}$ S30
1959

Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, W. of cor. and bury the original cornerstone alongside the iron post.

Land, gently rolling, draining NW.

Soil, sandy loam and gravelly.

Timber, none.

N. $0^{\circ} 03'$ W., on the E. bdy. of sec. 25, T. 17 S., R. 18 W.

Over gently rolling land draining NW.; desc. 10 ft.

7.90 Wash, 30 lks. wide, 2 ft. deep, drains N. 80° W.; desc. 10 ft. over gently rolling NW. slope.

23.50 Wash, 20 lks. wide, 2 ft. deep, drains N. 70° W.; desc. 10 ft. over gently rolling NW. slope.

35.70 Wash, 20 lks. wide, 1 ft. deep, drains N. 60° W.

37.06 Point for the $\frac{1}{4}$ sec. cor. of sec. 30, T. 17 S., R. 17 W.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T17S
R18W R17W
 $\frac{1}{4}$
S30
1959

Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, E. of cor.

39.98 The $\frac{1}{4}$ sec. cor. of sec. 25, T. 17 S., R. 18 W., mkd. by a limestone, 12x8x6 ins., firmly set and plainly mkd., originally set for the $\frac{1}{4}$ sec. cor. of secs. 25 and 30.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T17S
R18W R17W
 $\frac{1}{4}$
S25
1959

Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, W. of cor. and bury the original cornerstone alongside the iron post.

Dependent Resurvey of the Snake Valley Guide Meridian in T. 17 S.

Chains

N. 0° 05' W., beginning new measurement.

Cont. over gently rolling land, draining NW.

1.00 Small wash, drains NW.

11.10 Wash, 20 lks. wide, 3 ft. deep, drains N. 70° W.

32.00 Wash, 20 lks. wide, 2 ft. deep, drains NW.

37.08 Point for the cor. of secs. 19 and 30, T. 17 S., R. 17 W.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T17S
R18W R17W
S25 | S19
 | S30
 1959

Raise a mound of stone, 2½ ft. base, 2 ft. high, E. of cor.

40.01 The cor. of secs. 24 and 25, T. 17 S., R. 18 W., mkd. by a limestone, 16x9x7 ins., firmly set and plainly mkd., originally set for the cor. of secs. 19, 24, 25 and 30.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T17S
R18W R17W
S24 | S19
S25 |
 1959

Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor. and bury the original cornerstone alongside the iron post.

Land, gently rolling, draining NW.

Soil, sandy loam and gravelly.

Timber, none.

N. 0° 02' W. on the E. bdy. of sec. 24, T. 17 S., R. 18 W.

Over gently rolling land draining NW.

25.00 Wash, 10 lks. wide, 2 ft. deep, drains W.

37.07 Point for the ¼ sec. cor. of sec. 19, T. 17 S., R. 17 W.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T17S
R18W R17W
 | ¼
 | S19
 1959

Raise a mound of stone, 2½ ft. base, 2 ft. high, E. of cor.

40.03 Point for the ¼ sec. cor. of sec. 24, T. 17 S., R. 18 W., at proportionate dist.; there is no remaining evidence of the original cor. of secs. 19 and 24.

Chains	
1.00	Small wash, drains NW.
11.10	Wash, 20 lks. wide, 3 ft. deep, drains N. 70° W.
32.00	Wash, 20 lks. wide, 2 ft. deep, drains NW.
37.08	Point for the cor. of secs. 19 and 30, T. 17 S., R. 17 W. Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.
40.01	<p>Raise a mound of stone, 2½ ft. base, 2 ft. high, E. of cor.</p> <p>The cor. of secs. 24 and 25, T. 17 S., R. 18 W., mkd. by a limestone, 16x9x7 ins., firmly set and plainly mkd., originally set for the cor. of secs. 19, 24, 25 and 30.</p> <p>Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.</p> <p>T17S R18W R17W S19 S25 S24 S19 1959</p> <p>Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor. and bury the original cornerstone alongside the iron post.</p> <p>Land, gently rolling, draining NW. Soil, sandy loam and gravelly. Timber, none.</p>
25.00	Over gently rolling land draining NW.
37.07	<p>Wash, 10 lks. wide, 2 ft. deep, drains W.</p> <p>Point for the ¼ sec. cor. of sec. 19, T. 17 S., R. 17 W.</p> <p>Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.</p> <p>T17S R18W R17W S19 S25 S24 S19 1959</p> <p>Raise a mound of stone, 2½ ft. base, 2 ft. high, E. of cor.</p>
40.03	<p>Point for the ¼ sec. cor. of sec. 24, T. 17 S., R. 18 W., at proportionate dist.; there is no remaining evidence of the original cor. of secs. 19 and 24.</p>

Chains

T17S
R18W R17W
|
S18
1959

Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, E. of cor.

40.04 The $\frac{1}{4}$ sec. cor. of sec. 13, T. 17 S., R. 18 W., mkd. by a limestone, 14x14x6 ins., firmly set and plainly mkd., originally set for the $\frac{1}{4}$ sec. cor. of secs. 13 and 18.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T17S
R18W R17W
|
S13
1959

Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, W. of cor. and bury the original cornerstone alongside the iron post.

N. $0^{\circ} 05'$ W., beginning new measurement.

Cont. over gently rolling land, draining W.

14.00 Wash, 20 lks. wide, 2 ft. deep, drains S. 80° W.

36.96 Point for the cor. of secs. 7 and 18, T. 17 S., R. 17 W.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T17S
R18W R17W
| S 7
S13 | S18
1959

Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.

40.06 The cor. of secs. 12 and 13, T. 17 S., R. 18 W., mkd. by a limestone, 14x8x8 ins., firmly set and plainly mkd., originally set for the cor. of secs. 7, 12, 13 and 18.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T17S
R18W R17W
| S 7
S12 | S13
1959

Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, W. of cor. and bury the original cornerstone alongside the iron post.

Land, gently rolling and draining W.

Soil, sandy loam and gravelly.

Timber, none.

N. $0^{\circ} 05'$ E., on the E. bdy. of sec. 12, T. 17 S., R. 18 W.

Dependent Resurvey of the Snake Valley Guide Meridian in T. 17 S.

Chains	
	Over gently rolling land draining SW.
9.70	Small wash, drains SW.
20.30	Wash, 30 lks. wide, 2 ft. deep, drains SW.
32.40	Small wash, drains S. 70° W.
36.90	Point for the $\frac{1}{4}$ sec. cor. of sec. 7, T. 17 S., R. 17 W. Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.
	<div style="text-align: center;"> T17S R18W R17W $\frac{1}{4}$ S 7 1959 </div>
	Raise a mound of stone, 2 $\frac{1}{2}$ ft. base, 2 ft. high, E. of cor.
40.02	The $\frac{1}{4}$ sec. cor. of sec. 12, T. 17 S., R. 18 W., mkd. by a limestone, 14x8x6 ins., firmly set and plainly mkd., originally set for the $\frac{1}{4}$ sec. cor. of secs. 7 and 12. Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.
	<div style="text-align: center;"> T17S R18W R17W $\frac{1}{4}$ S12 1959 </div>
	Raise a mound of stone, 2 $\frac{1}{2}$ ft. base, 2 ft. high, W. of cor. and bury the original cornerstone alongside the iron post.
	<hr/>
	N. 0° 13' W., beginning new measurement.
	Cont. over gently rolling SW. slope.
15.80	Wash, 10 lks. wide, 2 ft. deep, drains SW.
27.20	Graded road to Gandy Ranch, bears NW. and SE.
36.88	Point for the cor. of secs. 6 and 7, T. 17 S., R. 17 W. Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.
	<div style="text-align: center;"> T17S R18W R17W S12 $\frac{56}{57}$ 1959 </div>
	Raise a mound of stone, 2 $\frac{1}{2}$ ft. base, 2 ft. high, E. of cor.
40.14	The cor. of secs. 1 and 12, T. 17 S., R. 18 W., mkd. by a limestone, 11x8x6 ins., firmly set and plainly mkd., originally set for the cor. of secs. 1, 6, 7 and 12. Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

Chains

T17S
R18W R17W
S 1
S12 S 6
1959

Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor. and bury the original cornerstone alongside the iron post.

Land, gently rolling, drains SW.
Soil, sandy loam and gravelly.
Timber, none.

N. 0° 03' W., on the E. bdy. of sec. 1, T. 17 S., R. 18 W.

Over gently rolling land draining SW.

2.40 Small wash, drains SW.

17.40 Wash, 20 lks. wide, 1 ft. deep, drains SW.

36.74 Point for the ¼ sec. cor. of sec. 6, T. 17 S., R. 17 W.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T17S
R18W R17W
¼
S 6
1959

Raise a mound of stone, 2½ ft. base, 2 ft. high, E. of cor.

40.18 The ¼ sec. cor. of sec. 1, T. 17 S., R. 18 W., mkd. by a limestone, 14x12x8 ins., firmly set and plainly mkd., originally set for the ¼ sec. cor. of secs. 1 and 6.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T17S
R18W R17W
¼
S1
1959

Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor. and bury the original cornerstone alongside the iron post.

N. 0° 08' W., beginning new measurement.

Cont. over gently rolling SW. slope.

31.90 Trail road, bears E. and W.

32.40 Left bank of wash, bears E. and W.; desc. 10 ft. over N. slope.

34.60 Wash, 1.50 chs. wide, 2 ft. deep, drains W.

36.56 Point for the cor. of Tps. 16 and 17 S., R. 17 W.

Dependent Resurvey of the Snake Valley Guide Meridian in T. 17 S.

Chains	<p>Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.</p> <div>T17S T16S R18W R17W S 1 S31 S 6 T17S 1959</div> <p>Raise a mound of stone, 2½ ft. base, 2 ft. high, E. of cor. Asc. 10 ft. over S. slope.</p>
42.30	Right bank of wash, bears E. and W.
43.71	<p>The cor. of Tps. 16 and 17 S., R. 18 W., mkd. by a limestone, 12x8x6 ins., firmly set and plainly mkd., originally set for the cor. of Tps. 16 and 17 S., Rs. 17 and 18 W.</p> <p>Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.</p> <div>T16S R18W R17W S36 S31 S 1 T17S 1959</div> <p>Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor. and bury the original cornerstone alongside the iron post.</p> <p>Land, gently rolling draining SW. Soil, sandy loam and gravelly. Timber, none.</p>
Survey of Portion of the Subdivision of T. 17 S., R. 17 W.	
1.00	<p>From the cor. of secs. 1, 2, 35 and 36, on the S. bdy. of the Tp., an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the field notes of the concurrent survey of T. 18 S., R. 17 W.</p> <p>N. 0° 01' W., bet. secs. 35 and 36.</p> <p>Over rolling land, through scattered timber.</p>
7.10	Left bank of wash, bears NW. and SE.; desc. 60 ft. over NE. slope.
10.50	Channel of wash, 70 lks. wide, 2 ft. deep, drains NW.; asc. 30 ft. over SW. slope.
16.90	Right bank of wash, bears NW. and SE.; desc. 20 ft. over rolling NW. slope.
19.00	Trail road, bears E. and W.
26.40	Small wash, drains N. 70° W.; asc. 50 ft. over SW. slope.
40.00	Spur, bears N. 60° W.; desc. 120 ft. over rolling N. slope.
	<p>Point for the ¼ sec. cor. of secs. 35 and 36.</p> <p>Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.</p>

Survey of a Portion of the Subdivision of T. 17 S., R.

Chains

T17S R17W

S35|S36

1959

Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.

Desc. 140 ft. over rolling land draining NW.

79.70

Point selected for the witness cor. of secs. 25, 26, 35 and 36.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 20 ins. in the ground, in a collar of stone, with brass cap mkd.

T17S R17W

W C

S26|S25

S35|S36

1959

Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.

80.00

True point for the cor. of secs. 25, 26, 35 and 36 falls in wash, 10 lks. wide, 2 ft. deep, draining N. 10° E. where cor. cannot be perpetuated.

Land, rolling.

Soil, sandy loam and gravelly.

Timber, scattered juniper and pinon.

From the cor. of secs. 25, 30, 31 and 36 on the E. bdy. of the Tp., an iron post, $2\frac{1}{2}$ ins. diam., heretofore described.

S. $89^{\circ} 58'$ W., bet. secs. 25 and 36.

Over broken land, through scattered timber; desc. 20 ft. over NW. slope.

3.70

Small wash, drains N.; asc. 50 ft. over NE. slope.

8.40

Spur, bears N.; desc. 80 ft. over W. slope.

14.50

Wash, 20 lks. wide, 3 ft. deep, drains N.; asc. 120 ft. over steep E. slope.

19.20

Ridge, bears N.; desc. 190 ft. over W. slope.

32.80

Wash, 10 lks. wide, 2 ft. deep, drains N. 10° W.; asc. 40 ft. over NE. slope.

37.20 =

Spur, bears NW.; desc. 40 ft. over W. slope.

39.985

Point for the $\frac{1}{4}$ sec. cor. of secs. 25 and 36.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., over a cross (X) cut on solid rock, in a mound of stone, 4 ft. base to top, with brass cap mkd.

T17S R17W

 $\frac{1}{4}$ S25

S36

1959

Desc. 70 ft. over W. slope.

Survey of a Portion of the Subdivision of T. 17 S., R. 17 W.

Chains	
47.00	Wash, 40 lks. wide, 2 ft. deep, drains W. 20° W.; thence over rolling land draining NW.
52.20	Trail road, bears N. and S.
61.30	Wash, 20 lks. wide, 2 ft. deep, drains N. 30° W.
65.60	Wash, 10 lks. wide, 2 ft. deep, drains N. 20° W.
77.40	Wash, 20 lks. wide, 3 ft. deep, drains N. 20° W.
79.97	The true point for the cor. of secs. 25, 26, 35 and 36.
	Land, broken E. $\frac{1}{2}$, rolling W. $\frac{1}{2}$. Soil, clay and exposed limestone E. $\frac{1}{2}$, sandy loam and gravelly W. $\frac{1}{2}$. Timber, scattered juniper and pinon.
	From the cor. of secs. 3, 4, 33 and 34, on the S. bdy. of the Tp., an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the field notes of the concurrent survey of T. 18 S., R. 17 W.
	N. 0° 02' W., bet. secs. 33 and 34.
	Over rolling land, draining NW.; desc. 60 ft.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 33 and 34.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.
	T17S R17W * S33 S34 1959
	Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
	Cont. over rolling land.
48.00	Wash, 30 lks. wide, 1 ft. deep, drains W.
77.20	Graded gravel road, bears N. 70° E. and S. 70° W.
80.00	Point for the cor. of secs. 27, 28, 33 and 34.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.
	T17S R17W S28 S27 S33 S34 1959
	Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
	Land, rolling. Soil, sandy loam and gravelly. Timber, none.
	N. 0° 02' W., bet. secs. 27 and 28.
	Over rolling land sloping westerly.

Survey of a Portion of the Subdivision of T. 17 S., R. 17 W.

Chains

40.00

Point for the $\frac{1}{4}$ sec. cor. of secs. 27 and 28.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 12 ins. in the ground to bedrock, in a mound of stone, $3\frac{1}{2}$ ft. base to top, with brass cap mkd.

T17S R17W

S28 | S27

1959

Cont. over rolling land sloping westerly.

43.30

Wash, 30 lks. wide, 2 ft. deep, drains W..

80.00

Point for the cor. of secs. 21, 22, 27 and 28.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 8 ins. in the ground to bedrock, in a mound of stone, $3\frac{1}{2}$ ft. base to top, with brass cap mkd.

T17S R17W

S21 | S22

S28 | S27

1959

Land, rolling.

Soil, sandy loam and gravelly.

Timber, none.

N. $0^{\circ} 02'$ W., bet. secs. 21 and 22.

Over rolling land draining westerly; asc. 70 ft.

40.00

Point for the $\frac{1}{4}$ sec. cor. of secs. 21 and 22.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 8 ins. in the ground to bedrock, in a mound of stone, $3\frac{1}{2}$ ft. base to top, with brass cap mkd.

T17S R17W

S21 | S22

1959

Asc. 220 ft. over SSW. slope.

72.40

Ridge, bears W. and N. 60° E.; thence along W. slope.

80.00

Point for the cor. of secs. 15, 16, 21 and 22.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 14 ins. in the ground to bedrock, in a mound of stone, 4 ft. base to top, with brass cap mkd.

T17S R17W

S16 | S15

S21 | S22

1959

Land, rolling.

Soil, sandy loam, gravelly and exposed limestone.

Timber, scattered juniper.

Chains	-N. 0° 02' W., bet. secs. 15 and 16.
	Over mountainous land, through scattered timber; desc. 100 ft. along W. slope.
9.40	Trail road, bears NW. and SE.
11.00	Wash, 20 lks. wide, 2 ft. deep, drains SW.; asc. 90 ft. over SE. slope.
19.90	Ridge, bears NW. and SE.; desc. 150 ft. along W. slope.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 15 and 16.
	Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 4 ins. in the ground to bedrock, in a mound of stone, 3 ft. base to top, with brass cap mkd.
	T17S R17W $\frac{1}{4}$ S16 S15 1959
	Desc. 80 ft. over rolling W. slope.
56.40	Trail road, bears NE. and SW.
80.00	Point for the cor. of secs. 9, 10, 15 and 16.
	Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 12 ins. in the ground to bedrock, in a mound of stone, 3 ft. base to top, with brass cap mkd.
	T17S R17W S 9 S10 S16 S15 1959
	Land, mountainous. Soil, clay, sandy loam and exposed limestone. Timber, scattered juniper.
	N. 0° 02' W., bet. secs. 9 and 10.
	Over rolling land, draining W.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 9 and 10.
	Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.
	T17S R17W $\frac{1}{4}$ S 9 S10 1959
	Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
	Cont. over rolling land draining W.
55.40	Wash, 20 lks. wide, 3 ft. deep, drains S. 70° W.; asc. 90 ft. over rolling S. slope.
80.00	Point for the cor. of secs. 3, 4, 9 and 10.
	Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 2 ins. in the ground to bedrock, in a mound of stone, 4 ft. base to top, with brass cap mkd.

Survey of a Portion of the Subdivision of T. 17 S., R. 17 W.

Chains

T17S R17W

$\frac{S4}{S9} | \frac{S3}{S10}$
1959

Land, rolling.
Soil, sandy loam and gravelly.
Timber, none.

N. 0° 02' W., bet. secs. 3 and 4.

Over mountainous land; asc. 210 ft. over S. slope.

36.20 Divide, bears S. 70° W. and N. 30° E.; thence along W. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 3 and 4.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 10 ins. in the ground to bedrock, in a mound of stone, 4 ft. base to top, with brass cap mkd.

T17S R17W

$\frac{1}{4}$
 $\frac{S4}{S3}$
1959

Desc. 230 ft. along steep W. slope.

71.60 Base of steep slope, thence over rolling W. slope.

79.98 The cor. of secs. 3, 4, 33 and 34, on the N. bdy. of the Tp., an iron post, $2\frac{1}{2}$ ins. diam., heretofore described.

Land, mountainous.
Soil, clay, sandy loam, and exposed limestone.
Timber, none.

From the cor. of secs. 2, 3, 34 and 35, on the N. bdy. of the Tp., an iron post, $2\frac{1}{2}$ ins. diam., heretofore described.

S. 0° 01' E., bet. secs. 2 and 3.

Over mountainous land; asc. 20 ft. over NW. slope.

2.00 Ridge, bears S. 30° W.; desc. 210 ft. over steep SE. slope.

18.70 Base of steep descent, bears SW. and NE.; desc. 90 ft. over rolling land, draining SE.

39.99 Point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 3.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T17S R17W

$\frac{1}{4}$
 $\frac{S3}{S2}$
1959

Raise a mound of stone, 2 ft. base, 2 ft. high, W. of cor.

Desc. 55 ft. over SW. slope.

of a of the Subdivision of T. 17 S. 17

Chains

- 53.30 Wash, 1.00 ch. wide, 1 ft. deep, drains S. 60° W.; trail road, bears S. 60° W. and NE.; asc. 20 ft. over NW. slope.
- 60.20 Small spur, bears S. 80° W.; desc. 10 ft. over S. slope.
- 62.20 Small wash, drains S. 80° W.; asc. 20 ft. over NW. slope.
- 67.20 Small spur, bears W.; desc. 10 ft. over SW. slope.
- 70.70 Small wash, drains W.; asc. 20 ft. over NW. slope.
- 75.50 Small spur, bears N. 80° W.; desc. 10 ft. over SW. slope.
- 77.60 Small wash, drains W.; asc. 10 ft. over NW. slope.
- 79.99 Point for the cor. of secs. 2, 3, 10 and 11.

Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to bedrock, in a mound of stone, 3½ ft. base to top, with brass cap mkd.

T17S R17W
S3|S2
S10|S11
1959

Land, broken and rolling.
Soil, sandy loam, clay, gravelly and sandy loam.
Timber, none.

From the cor. of secs. 2, 3, 10 and 11.

N. 89° 59' E., bet. secs. 2 and 11 on a theoretical parallel connecting the cor. of secs. 1, 6, 7 and 12, on the E. bdy. and the cor. of secs. 3, 4, 9 and 10, as specified in the special instructions.

Over rolling land draining westerly; asc. 15 ft.

- 2.30 Trail road, bears SW. and NE.; asc. 120 ft. over W. slope.
- 22.70 Spur, bears W.; desc. 10 ft. over NE. slope.
- 25.50 Small wash, drains NW.; asc. 30 ft. over W. slope.
- 28.00 Small spur, bears N.; desc. 10 ft. over NE. slope.
- 31.00 Small wash, drains NW.; asc. 140 ft. over steep NW. slope.
- 40.00 Point for the ¼ sec. cor. of secs. 2 and 11.

Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground to bedrock, in a mound of stone, 3½ ft. base to top, with brass cap mkd.

T17S R17W
S 2
S11
1959

Asc. 60 ft. over steep NW. slope.

- 41.80 Spur, bears N.; desc. 75 ft. over NE. slope.
- 45.80 Ravine, drains N.; asc. 60 ft. over NW. slope.
- 49.60 Spur, bears N. 10° E.; desc. 70 ft. over E. slope.

Survey of a Portion of the Subdivision of T. 17 S., R. 17 W.

Chains

- 52.40 Ravine, drains N.; asc. 170 ft. over NW. slope.
 61.50 Ridge, bears NE. and SW.; asc. 80 ft. over SW. slope.
 67.50 Top of ascent on S. slope; desc. 250 ft. over steep E. slope.
 78.80 Spur, bears E.; desc. 30 ft. over SE. slope.
 80.00 Point for the cor. of secs. 1, 2, 11 and 12.
 Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 4 ins. in the ground to bedrock, in a mound of stone, $3\frac{1}{2}$ ft. base to top, with brass cap mkd.

T17S R17W
 $\frac{S2}{S11} | \frac{S1}{S12}$
 1959

Land, rolling and broken.
 Soil, sandy loam, clay, gravelly and exposed limestone.
 Timber, none.

From the cor. of secs. 1, 2, 11 and 12.

N. $0^{\circ} 05'$ E., bet. secs. 1 and 2.

Over mountainous land; asc. 60 ft. over steep SE. slope.

- 5.50 Top of ascent on E. slope; desc. 30 ft. over NE. slope.
 8.80 Ravine, drains S. 80° E.; asc. 230 ft. over steep S. slope.
 16.50 Ridge, bears NE. and SW.; desc. 270 ft. over steep NW. slope.
 31.50 Ravine, drains W.
 33.80 Ravine, drains SW.; asc. 15 ft. over S. slope.
 35.60 Small spur, bears W.; desc. 25 ft. over NW. slope.
 37.10 Ravine, drains N. 80° W.; asc. 10 ft. over SW. slope.
 39.50 Top of ascent on W. slope; thence over rolling land draining W.
 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 1 and 2.
 Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 3 ins. in the ground to bedrock, in a mound of stone, $3\frac{1}{2}$ ft. base to top, with brass cap mkd.

T17S R17W
 $\frac{1}{4}$
 $\frac{S2}{S1} | \frac{S1}{S12}$
 1959

Desc. 130 ft. over rolling land draining W.

- 80.02 The cor. of secs. 1, 2, 35 and 36 on the N. bdy. of the Tp., heretofore described.

Land, broken and rolling.
 Soil, clay, sandy loam, exposed limestone and gravelly.
 Timber, none.

... of a Portion of the Subdivision of T. 17 S. R. 17 W.

Chains

From the cor. of secs. 15, 16, 21 and 22.

S. 89° 59' W., bet. secs. 16 and 21,

Over rolling land; desc. 180 ft. over W. slope.

11.90 Trail road, bears NE. and S. 20° W.; asc. 90 ft. along S. slope.

39.90 Spur, bears SW.

40.00 Point for the 1/4 sec. cor. of secs. 16 and 21.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 2 ins. in the ground to bedrock, in a mound of stone, 3 1/2 ft. base to top, with brass cap mkd.

T17S R17W
1/4 S16
S21
1959

Desc. 300 ft. over steep NW. slope.

55.40 Base of steep descent, bears N. 20° E. and S. 20° W.

57.80 Trail road, bears N, 20° E. and S. 20° W.; desc. 80 ft. over rolling W. slope.

80.00 Point for the cor. of secs. 16, 17, 20 and 21.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.

T17S R17W
S17 | S16
S20 | S21
1959

Raise a mound of stone, 2 1/2 ft. base, 2 ft. high, W. of cor.

Land, broken and rolling.

Soil, clay, sandy loam, exposed limestone and gravelly.

Timber, none.

From the cor. of secs. 16, 17, 20 and 21.

N. 0° 03' W., bet. secs. 16 and 17.

Over rolling land draining W.

23.90 Small wash, drains W.

36.80 Small wash, drains N. 80° W.

40.00 Point for the 1/4 sec. cor. of secs. 16 and 17.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.

T17S R17W
1/4 S17 | S16
1959

Raise a mound of stone, 2 1/2 ft. base, 2 ft. high, W. of cor.

of a Portion of the Subdivision of T. 17 S. R. 17 W.

Chains

Cont. over rolling land draining W.

71.70

Wash, 50 lks. wide, 2 ft. deep, drains S. 60° W.; asc. 80 ft. over SE. slope.

80.00

Point for the cor. of secs. 8, 9, 16 and 17.

Set an iron post, 30 ins. long, 2½ ins. diam., 14 ins. in the to bedrock, in a mound of stone, 3½ ft. base to top, with brass cap mkd.

T17S R17W

S8 S9

S17 S16

1959

Land, rolling, draining W.
Soil, sandy loam and gravelly.
Timber, none.

From the cor. of secs. 9, 10, 15 and 16 on the E. bdy. of the Tp., an iron post, 2½ ins. diam., set, mkd. and witnessed as described S. 89° 58' W., bet. secse 9 and 16 of survey of T. 18 S., R. 17 W.

Over rolling land draining SW.; desc. 120 ft.

39.99

Point for the ¼ sec. cor. of secs. 9 and 16.

Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground to bedrock, in a mound of stone, 3½ ft. base to top, with brass cap mkd.

T17S R17W

¼ S 9

S16

1959

Desc. 20 ft. over rolling SW. slope.

47.90

Trail road, bears N. and S.; desc. 30 ft. over rolling SW. slope.

68.70

Wash, 40 lks. wide, 1 ft. deep, drains S. 60° W.; asc. 50 ft. over SE. slope.

79.99

The cor. of secs. 8, 9, 16 and 17.

Land, rolling.
Soil, sandy loam and gravelly.
Timber, none.

From the cor. of secs. 4, 5, 32 and 33, on the S. bdy. of the Tp., an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the field notes of the concurrent survey of T. 18 S., R. 17 W.

N. 0° 03' W., bet. secs. 32 and 33.

Over rolling land.

1.60

Wash, 30 lks. wide, 2 ft. deep, drains N. 80° W.; asc. 120 ft. over SW. slope.

9.60

Spur, bears SW.; desc. 100 ft. along W. slope of spur.

Survey of a portion of the Subdivision of T. 17 S., R. 17 W.

Chains

- 27.10 Begin descent over NW. slope; desc. 60 ft.
- 34.40 Wash, 20 lks. wide, 1 ft. deep, drains NW.; asc. 40 ft. over SW. slope.
- 40.00 Top of ascent on W. slope and point for the $\frac{1}{4}$ sec. cor. of secs. 32 and 33.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., over a cross (X) cut on solid rock, in a mound of stone, 5 ft. base to top, with brass cap mkd.

T17S R17W

$\frac{1}{4}$
S32|S33
1959

- Desc. 50 ft. over NW. slope.
- 43.90 Small wash, drains W.; asc. 20 ft. over SW. slope.
- 47.60 Spur, bears S. 60° W.; thence along W. slope.
- 52.20 Begin descent over N. slope; desc. 40 ft.
- 58.00 Bladed road and base of descent, bears NE. and SW.
- 58.90 Small wash, drains W.; thence over rolling land draining W.
- 67.80 Graded gravel road, bears N. 60° E. and S. 60° W.
- 75.00 Left bank of wash, bears E. and W.
- 78.20 Wash, 50 lks. wide, 2 ft. deep, drains N. 80° W.
- 78.80 Right bank of wash, bears E. and N. 80° W.
- 80.00 Point for the cor. of secs. 28, 29, 32 and 33.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T17S R17W

S29|S28
S32|S33
1959

Raise a mound of stone, 2 $\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.

Land, rolling.
Soil, sandy loam, clay and gravelly.
Timber, none.

From the cor. of secs. 5, 6, 31 and 32, on the S. bdy. of the Tp., an iron post, 2 $\frac{1}{2}$ ins. diam., set, mkd. and witnessed as described in the field notes of the concurrent survey of T. 18 S., R. 17 W.

N. 0° 03' W., bet. secs. 31 and 32.

Over gently rolling land draining W.

- 9.00 Wash, 10 lks. wide, 2 ft. deep, drains W.; thence over gently rolling land, draining NW.
- 32.80 Graded gravel road, bears S. 60° W. and N. 60° E.

Survey of a Portion of the Subdivision of T. 17 S. R. 17 W.

Chains

39.50 Trail road, bears S. 70° E. and NW.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 31 and 32.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground with brass cap mkd.

T17S R17W

$\frac{1}{4}$
S31 | S32
1959

Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor.

Cont. over gently rolling land draining NW.

78.60 Wash, 40 lks. wide, 2 ft. deep, drains NW.

80.00 Point for the cor. of secs. 29, 30, 31 and 32.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground with brass cap mkd.

T17S R17W

S30 | S29
S31 | S32
1959

Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor.

Land, gently rolling.

Soil, sandy loam and gravelly.

Timber, none.

From the cor. of secs. 28, 29, 32 and 33.

S. 89° 58' W., bet. secs. 29 and 32.

Over gently rolling NW. slope; desc. 20 ft.

7.00 Right bank of wash, bears NW. and SE.; desc. 20 ft. over NW. slope.

12.00 Wash, 50 lks. wide, 2 ft. deep, drains NW.

15.80 Left bank of wash, bears NW. and SE.; desc. 40 ft. over gradual W. slope.

39.99 Point for the $\frac{1}{4}$ sec. cor. of secs. 29 and 32.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground with brass cap mkd.

T17S R17W

$\frac{1}{4}$ S29
S32.
1959

Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor.

Desc. 70 ft. over gradual W. slope.

79.98 The cor. of secs. 29, 30, 31 and 32.

Land, gently rolling.

Soil, sandy loam and gravelly.

Timber, none.

Surv

Township 17 South, Range 17 West

Chains

GENERAL DESCRIPTION

The land within this township is low desert, mountainous and rolling bench land. The low mountain range bears northerly through the eastern portion of the township, dividing the drainage into the desert valleys. The elevation varies from 6,500 feet above sea level on the higher ridges to 5,000 feet above sea level on the bench land.

The soil varies from clay and exposed limestone on the mountains to sandy loam and gravel on the bench land.

The timber is composed entirely of scattered scrub juniper and pinon on the high elevations.

Principal users of the area are sheepmen and cattlemen and access into the township is provided by desert roads.

No mineral formations of consequence were noted during the survey.

U.S. AIR FORCE, 1950-1951

1952

1953

Chains

CHAINS

The following table shows the number of chains of each type in the U.S. Air Force, 1950-1951. The number of chains of each type is given in the first column, and the number of chains of each type is given in the second column.

The number of chains of each type is given in the first column, and the number of chains of each type is given in the second column.

The number of chains of each type is given in the first column, and the number of chains of each type is given in the second column.

The number of chains of each type is given in the first column, and the number of chains of each type is given in the second column.

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52
CERTIFICATE OF CADASTRAL ENGINEER

I, Vern E. Lane, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 4th day of August, 1954 I have ~~surveyed~~ ^{supervised the survey of} the east and north boundaries and a portion of the subdivision of T. 17 S., R. 17 W. and dependent resurvey of the Snake Valley Guide Meridian, along the west boundary with the establishment of new corners pertaining to T. 17 S., R. 17 W.

of the Salt Lake Meridian, in the State of Utah, which are represented in the foregoing field notes as having been executed ~~by me and under my direction~~ ^{under my supervision}; and that said survey has been made in strict conformity with said instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

Salt Lake City, Utah

April 18, 1960


Vern E. Lane
Cadastral Surveyor (Chief of Party)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., NOV 25 1960, 1960

The foregoing field notes of the survey of the east and north boundaries and a portion of the subdivision of T. 17 S., R. 17 W. and dependent resurvey of the Snake Valley Guide Meridian along the west boundary, with the establishment of new corners pertaining to T. 17 S., R. 17 W., Salt Lake Meridian, Utah

executed by Lacel E. Bland, Cadastral Surveyor, under the supervision of Vern E. Lane, Cadastral Surveyor (Chief of Party) having been critically examined and found correct, are hereby approved.


Clark I. Lamm
Acting Cadastral Engineering Staff Officer.

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in T. 17 S. R. 17 W., SLM, Utah is a true copy of the original field notes.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ORIGINAL

FIELD NOTES

OF THE

INDEPENDENT RESURVEY

OF THE EAST AND NORTH BOUNDARIES

AND SURVEY OF A PORTION OF THE SUBDIVISION

OF

TOWNSHIP 18 SOUTH, RANGE 15 WEST

Of the Salt Lake Meridian,

the State of Utah

EXECUTED BY

Vern E. Lane, Cadastral Surveyor (Chief of Party)

Eldon W. Sibley, Cartographic Survey Aid

Under special instructions dated August 4, 1954, which provided

for the surveys included under Group No. 407, approved September 7, 1954

assignment instructions dated May 1, 19 59

Survey commenced August 12, 19 59

Survey completed August 26, 19 59

INDEX DIAGRAM

Township 18 South, Range 15 West

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19	20	13 21	10 22	23	24	2
20	29	28	9 27	26	25	2
31	16 16 32	15 33	9 34	35	8 8 36	1

GPO 866118

Township 18 South, Range 15 West.

Chains

The east, west, south and north boundaries were surveyed by A. J. Stewart Jr. in 1884. The west and south boundaries were independently resurveyed concurrently and are described in the field notes, of T. 18 S., R. 15 W. and T. 19 S., R. 15 W., respectively, by the same method.

The following field notes are those of the independent resurvey of the east and north boundaries and a survey of a portion of the subdivision of T. 18 S., R. 15 W., deemed sufficient to facilitate the development of the natural resources and mark the boundaries of those sections that are normally considered state school sections.

The survey was executed with a W. & L. E. Gurley solar transit No. 491037, constructed in accordance with the standard instrumental specifications of the Bureau of Land Management. The instrument was in good condition prior to the beginning of the survey and was maintained in proper adjustment throughout the progress of the survey.

Corners on the east-west lines were set on the true latitudinal curve. Lines connecting previously established corners were run by the random and true method, but for simplification of the record the random lines are omitted from the field notes. In accordance with the intent of the special instructions, all subdivisional corners established are calculated to be at the position they would occupy if the entire township were subdivided.

Measurements herein contained were made with a narrow steel tape, 8 chains in length, graduated every link for the first 100 links and thereafter at intervals of 10 links. The tape was tested by comparison with a 1 chain standard steel tape and was found to be correct. Measurements were made on the slope with vertical angle ascertained by a clinometer in good adjustment; horizontal equivalents alone are entered in the field notes. All lines of this survey were run by direct method.

The direction of the lines of this survey were determined by reference to true meridians established on line by hour angle observations on Polaris or altitude observations on the sun. The lines were carried forward by sustained angulation being supplemented by other numerous altitude observations on the sun taken throughout the progress of the survey.

The geographic position for the southeast corner of the township is latitude $39^{\circ} 11' 33.1''$ N. and longitude $113^{\circ} 28' 23.9''$ W. as adjusted from traverses to U. S. G. S. triangulation stations within the area.

The magnetic declination was read at a number of stations throughout the township and the average of these readings was found to be $16^{\circ} 30' E.$

Independent Resurvey of the East Boundary of T. 18 S., R. 15 W. Superseding the Survey by Deputy Surveyor A. J. Stewart Jr. in 1884. No evidence of the original corners was found.

Beginning at the cor. of Tps. 18 and 19 S., Rs. 14 and 15 W., an iron post, $2\frac{1}{2}$ ins. diam., set, mkd. and witnessed as described in the field notes of T. 19 S., R. 15 W.

North, bet. secs. 31 and 36.

Over nearly level land.

4.10

Graded road, bears N. $30^{\circ} E.$ and S. $30^{\circ} W.$

40.00

Point for the $\frac{1}{4}$ sec. cor. of secs. 31 and 36.

Independent Resurvey, E. Bdy., T. 18 S. R. 15 W.

Chains

Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.

T18S.

R15W R14W

S36|S31

1959

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

Desc. gentle N. slope.

80.00

Point for the cor. of secs. 25, 30, 31 and 36.

Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.

T18S

R15W R14W

S25|S31

S36|S31

1959

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

Land, nearly level.

Soil, sand.

Undergrowth, scattered sagebrush and shadscale, no timber.

North, bet. secs. 25 and 30.

Over nearly level land; desc. slight N. slope.

40.00

Point for the ¼ sec. cor. of secs. 25 and 30.

Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.

T18S

R15W R14W

¼

S25|S30

1959

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

80.00

Point for the cor. of secs. 19, 24, 25 and 30.

Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.

T18S

R15W R14W

S24|S19

S25|S30

1959

Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor.

Land, nearly level.

Soil, sand.

Undergrowth, sagebrush and shadscale, no timber.

North, bet. secs. 19 and 24.

Over nearly level desert land.

E. 18 S. 15 W.

Chains

40.00

Point for the $\frac{1}{4}$ sec. cor. of secs. 19 and 24.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap mkd.

T18S

R15W R14W

 $\frac{1}{4}$

S24 | S19

1959

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

80.00

Point for the cor. of secs. 13, 18, 19 and 24.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 20 ins. in the ground, with brass cap mkd.

T18S

R15W R14W

S13 | S18

S24 | S19

1959

Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.

Land, level.

Soil, sand.

Undergrowth, scattered sagebrush and shadscale, no timber.

North, bet. secs. 13 and 18.

Over nearly level land.

40.00

Point for the $\frac{1}{4}$ sec. cor. of secs. 13 and 18.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap mkd.

T18S

R15W R14W

 $\frac{1}{4}$

S13 | S18

1959

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

80.00

Point for the cor. of secs. 7, 12, 13 and 18.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T18S

R15W R14W

S12 | S 7

S13 | S18

1959

Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.

Land, level.

Soil, sand.

Undergrowth, scattered sagebrush and shadscale, no timber.

T. 18 S., R. 15 W.

Chains

North, bet. secs. 7 and 12.

Over nearly level desert land.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 7 and 12.Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap mkd.T18S
R15W R14W $\frac{1}{4}$
S12 | S 7
1959

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

76.60 Graded road, bears S. 60° E. and N. 60° W.

80.00 Point for the cor. of secs. 1, 6, 7 and 12.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap mkd.T18S
R15W R14WS 1 | S 6
S12 | S 7
1959Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, W. of Cor.

Land, level.

Soil, sand.

Undergrowth, scattered sagebrush and shadscale, no timber.

North, bet. secs. 1 and 6.

Over nearly level land.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 1 and 6.Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 20 ins. in the ground, with brass cap mkd.T18S
R15W R14W $\frac{1}{4}$
S 1 | S 6
1959Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.

80.00 Point for the cor. of Ts. 17 and 18 S., Rs. 14 and 15 W.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 26 ins. in the ground, with brass cap mkd.T17S
R15W R14WS36 | S31
S 1 | S 6T18S
1959Raise a mound of stone, $3\frac{1}{2}$ ft. base, 3 ft. high S. of cor.

Independent Resurvey of T. 18 S., R. 15 W.

Chains

Land, level.
Soil, sand.
Undergrowth, scattered sagebrush and shadscale, no timber.

Independent Resurvey of the North Boundary of T. 18 S., R. 15 W.,
Superseding the Survey by Deputy Surveyor A. J. Stewart Jr. in 1884.
No evidence of the original corners was found.

From the cor. of Ts. 17 and 18 S., Rs. 14 and 15 W.

S. 89° 55' W., bet. secs. 1 and 36.

Over nearly level land.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 1 and 36.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground,
with brass cap mkd.

T17S R15W

$\frac{1}{4}$ $\frac{S36}{S 1}$

T18S

1959

Raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.

80.00 Point for the cor. of secs. 1, 2, 35 and 36.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground,
with brass cap mkd.

T17S R15W

$\frac{S35}{S 2}$ | $\frac{S36}{S 1}$

T18S

1959

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

Land, level.

Soil, sand.

Undergrowth, sagebrush and shadscale, no timber.

S. 89° 55' W., bet. secs. 2 and 35.

Over nearly level land.

21.20 Graded road, bears N. 30° E. and S. 30° W.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 35.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the ground,
with brass cap mkd.

T17S R15W

$\frac{1}{4}$ $\frac{S35}{S 2}$

T18S

1959

Raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.

80.00 Point for the cor. of secs. 2, 3, 34 and 35.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground,
with brass cap mkd.

Resurvey N. Bdy., T. 18. . R. 7 W.

Chains

entirety

T17S R15W

S34 | S35

S 3 | S 2

T18S

1959

Raise a mound of stone, 3 ft. base, 3 ft. high, W. of cor.

Land, level:

Soil, sand.

Undergrowth, sagebrush and shadscale, no timber.

S. 89° 55' W., bet. secs. 3 and 34.

Over nearly level land.

1.40 Graded road, bears N. 70° W. and S. 70° E.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 3 and 34.Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap mkd.

T17S R15W

 $\frac{1}{4}$ S34

S 3

T18S

1959

Raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.

80.00 Point for the cor. of secs. 3, 4, 33 and 34.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap mkd.

T17S R15W

S33 | S34

S 4 | S 3

T18S

1959

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

Land, level.

Soil, sand.

Undergrowth, sagebrush and shadscale, no timber.

S. 89° 55' W., bet. secs. 4 and 33.

Over nearly level land.

21.00 Trail road, bears N. 20° E. and S. 20° W.

24.00 Base of steep rocky E. slope; asc. 420 ft. over E. slope.

39.15 Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 4 and 33.Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 1 in. in the ground to bedrock, and in a mound of stone to top, 4 ft. base, with brass cap mkd.

T17S R15W

W 33

C 3 4

T18S

1959

Independent Resurvey, N. Bdy., T. 18 S., R. 15 W.

Chains	
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 4 and 33 falls on ledge and cannot be perpetuated. Asc. 210 ft. over E. slope.
53.70	Top of ridge, bears S. 20° W. and N. 20° E.; desc. 340 ft. over W. slope.
72.00	Base of steep W. slope; desc. over slight W. slope.
80.00	Point for the cor. of secs. 4, 5, 32 and 33. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap mkd. T17S R15W S32 S33 S 5 S 4 T18S 1959 Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor. Land, level and broken. Soil, sand, clay and limestone outcroppings. Undergrowth, sagebrush and shadscale, no timber.
	S. $89^{\circ} 55'$ W., bet. secs. 5 and 32, Over nearly level land.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 5 and 32. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd. T17S R15W $\frac{1}{4}$ S32 S 5 T18S 1959 Raise a mound of stone, 3 ft. base, 2 ft. high N. of cor.
80.00	Point for the cor. of secs. 5, 6, 31 and 32. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd. T17S R15W S31 S32 S 6 S 5 T18S 1959 Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor. Land, level. Soil, sand. Undergrowth, sagebrush and shadscale, no timber.
	S. $89^{\circ} 55'$ W., bet. secs. 6 and 31, Over nearly level land.
14.80	Graded road, bears N. 20° W. and S. 20° E.

Independent Resurvey, N. Bdy., T. 18 S., R. 15 W.

Chain	
40.00	Point for the $\frac{1}{2}$ sec. cor. of secs. 6 and 31.
	Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.
	<div style="text-align: center;"> T17S R15W $\frac{1}{2}$ $\frac{S31}{S6}$ T18S 1959 </div>
	Raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.
27.95	The cor. of Ts. 17 and 18 S., Rs. 15 and 16 W., an iron post, 2 $\frac{1}{2}$ ins. diam., described in the field notes of the survey of T. 18 S., R. 16 W.
	Land, level.
	Soil, sand.
	Undergrowth, scattered sagebrush and shadscale, no timber.
Portion of the Subdivision, T. 18 S., R. 15 W.	
	From the cor. of secs. 1, 2, 35 and 36, on the S. bdy. of township, an iron post, 2 $\frac{1}{2}$ ins. diam., set, mkd. and witnessed as described in the field notes of T. 19 S., R. 15 W.
	N. 0° 01' W., bet. secs. 35 and 36.
	Over nearly level land.
6.90	Graded road, bears E. and W.
40.00	Point for the $\frac{1}{2}$ sec. cor. of secs. 35 and 36.
	Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap mkd.
	<div style="text-align: center;"> T18S R15W S35 S36 1959 </div>
	Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
40.00	Point for the cor. of secs. 25, 26, 35 and 36.
	Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.
	<div style="text-align: center;"> T18S R15W S26 S25 S35 S36 1959 </div>
	Raise a mound of stone, 2 $\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.
	Land, level.
	Soil, sand.
	Undergrowth, scattered sagebrush and shadscale.
	Timber, none.
From the cor. of secs. 25, 26, 35 and 36 on the E. bdy. of twp.	
	S. 89° 57' W., bet. secs. 25 and 36.
	Over nearly level land.
29.90	Point for the $\frac{1}{2}$ sec. cor. of secs. 25 and 36.

Portion of Subdivision, T. 18 S., R. 15 W.

Chains

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T18S R15W

¼ S25
S36

1959

Raise a mound of stone, 2½ ft. base, 2 ft. high, N. of cor.

79.96

The cor. of secs. 25, 26, 35 and 36.

Land, level.

Soil, sand.

Undergrowth, scattered sagebrush and shadscale.

Timber, none.

From the cor. of secs. 3, 4, 33 and 34 on the S. bdy. of twp., an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the field notes of T. 19 S., R. 15 W.

N. 0° 02' W., bet. secs. 33 and 34.

Over nearly level land.

4.40

Graded road, bears E. and W.

35.10

Wash, 20 lks. wide, 2 ft. deep, drains E.

40.00

Point for the ¼ sec. cor. of secs. 33 and 34.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T18S R15W

¼
S33|S34

1959

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

80.00

Point for the cor. of secs. 27, 28, 33 and 34.

Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.

T18S R15W

S28|S27
S33|S34

1959

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

Land, level.

Soil, sand.

Undergrowth, scattered sagebrush and shadscale.

Timber, none.

N. 0° 02' W., bet. secs. 27 and 28.

Over nearly level land.

40.00

Point for the ¼ sec. cor. of secs. 27 and 28.

Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.

Portion of Subdivision, T. 18 S., R. 15 W.

Chains

T18S R15W

 $\frac{1}{2}$
 S28|S27
 1959

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

80.00

Point for the cor. of secs. 21, 22, 27 and 28.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T18S R15W

 $\frac{1}{2}$
 S21|S22
 S28|S27
 1959

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

Land, level.

Soil, sand.

Undergrowth, scattered sagebrush and shadscale.

Timber, none.

N. 0° 02' W., bet. secs. 21 and 22.

Over nearly level land.

40.00

Point for the $\frac{1}{2}$ sec. cor. of secs. 21 and 22.Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T18S R15W

 $\frac{1}{2}$
 S21|S22
 1959

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

80.00

Point for the cor. of secs. 15, 16, 21 and 22.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap mkd.

T18S R15W

 $\frac{1}{2}$
 S16|S15
 S21|S22
 1959
Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.

Land, level.

Soil, sand.

Undergrowth, scattered sagebrush and shadscale,

Timber, none.

N. 0° 02' W., bet. secs. 15 and 16.

Over nearly level land.

40.00

Point for the $\frac{1}{2}$ sec. cor. of secs. 15 and 16.Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap mkd.

Portion of Subdivision, T18S.4 R15W.

Chains

T18S R15W

$\frac{1}{2}$
S16 | S15
1959

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

80.00

Point for the cor. of secs. 9, 10, 15 and 16.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap mkd.

T18S R15W

$\frac{1}{2}$
S 9 | S10
S16 | S15
1959

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

Land, level.

Soil, sand.

Undergrowth, sagebrush and shadscale,

Timber, none.

N. $0^{\circ} 02'$ W., bet. secs. 9 and 10.

Over nearly level land.

40.00

Point for the $\frac{1}{2}$ sec. cor. of secs. 9 and 10.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap mkd.

T18S R15W

$\frac{1}{2}$
S 9 | S10
1959

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

80.00

Point for the cor. of secs. 3, 4, 9 and 10.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap mkd.

T18S R15W

$\frac{1}{2}$
S 4 | S 3
S 9 | S10
1959

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

Land, level.

Soil, sand.

Undergrowth, scattered sagebrush and shadscale.

Timber, none.

N. $0^{\circ} 09'$ W., bet. secs. 3 and 4.

Over nearly level land.

40.00

Point for the $\frac{1}{2}$ sec. cor. of secs. 3 and 4.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap mkd.

Portion of Subdivision, T. 18 S., R. 15 W.

Chains

T18S R15W

$\frac{1}{4}$
S 4 | S 3
1959

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

40.40 Wash, 30 lks. wide, 3 ft. deep, drains N. 60° E.

79.91 The cor. of secs. 3, 4, 33 and 34.

Land, level.

Soil, sand.

Undergrowth, scattered sagebrush and shadscale.

Timber, none.

From the cor. of secs. 2, 3, 34 and 35 on the N. bdy. of twp.

S. 0° 01' E., bet. secs. 2 and 3.

Over nearly level desert land.

.55 Graded road, bears N. 70° W. and S. 70° E.

39.94 Point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 3.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T18S R15W

$\frac{1}{4}$
S 3 | S 2
1959

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

55.90 Base of ascent, bears NE. and SW.; asc. 170 ft. over NW. slope.

77.60 Top of asc. bears NE. and SW.; desc. 30 ft. over SE. slope.

79.94 Point for the cor. of secs. 2, 3, 10 and 11, at a dist. calculated to intersect a theoretical parallel connecting the cor. of secs. 1, 6, 7 and 12 on the E. bdy. and the cor. of secs. 3, 4, 9 and 10.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap mkd.

T18S R15W

S 3 | S 2
S10 | S11
1959

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

Land, level valley land.

Soil, sandy loam.

Undergrowth, scattered sagebrush and shadscale.

Timber, none.

N. 89° 56' E., bet. secs. 2 and 11, on a theoretical parallel connecting the cor. of secs. 1, 6, 7 and 12 on the E. bdy. and the cor. of secs. 3, 4, 9 and 10.

Over broken land; desc. 110 ft. over SE. slope.

15.50 Small wash, drains SW.; asc. 120 ft. over W. slope.

Portion of Subdivision, T. 18 S., R. 15 W.

Chains	
24.10	Ridge, bears N. 20° E. and S. 20° W.; desc. 230 ft. over SE. slope.
39.00	Base of asc. bears SW. and NE.; desc. over gradual E. slope.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 11. Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap mkd. <div style="text-align: center;">T18S R15W $\frac{S\ 2}{S11}$ 1959</div>
	Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor. Desc. 5 ft. over gradual E. slope.
80.00	Point for the cor. of secs. 1, 2, 11 and 12. Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap mkd. <div style="text-align: center;">T18S R15W $\frac{S\ 2}{S11} \mid \frac{S\ 1}{S12}$ 1959</div>
	Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor. Land, broken, W. $\frac{1}{2}$ mile; level valley land, E. $\frac{1}{2}$ mile. Soil, clay, sandy loam and limestone outcroppings. Undergrowth, scattered sagebrush and shadscale. Timber, none.
	N. 0° 01' W., bet. secs. 1 and 2. Over nearly level land.
38.10	Graded road, bears S. 70° E. and N. 70° W.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 1 and 2. Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap mkd. <div style="text-align: center;">T18S R15W $\frac{S\ 2}{S11} \mid \frac{S\ 1}{S12}$ 1959</div>
	Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
79.93	The cor. of secs. 1, 2, 35 and 36 on the N. bdy. of twp. Land, level valley land. Soil, sandy loam. Undergrowth, scattered sagebrush and shadscale. Timber, none.
	From the cor. of secs. 15, 16, 21 and 22. S. 89° 55' W., bet. secs. 16 and 21. Over nearly level land.

Portion of Subdivision, T. 18 S., R. 15 W.

Chains

- 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 16 and 21.
Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 20 ins. in the ground, with brass cap mkd.
T18S R15W
 $\frac{1}{4}$ $\frac{S16}{S21}$
1959
Raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.
- 80.00 Point for the cor. of secs. 16, 17, 20 and 21.
Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap mkd.
T18S R15W
 $\frac{S17}{S20}$ $\frac{S16}{S21}$
1959
Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.
Land, level.
Soil, sand.
Undergrowth, scattered sagebrush and shadscale.
Timber, none.
-
- N. $0^{\circ} 03' W.$, bet. secs. 16 and 17.
Over nearly level land.
- 10.00 Wash, 20 lks. wide, 2 ft. deep, drains N. $60^{\circ} E.$
- 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 16 and 17.
Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap mkd.
T18S R15W
 $\frac{1}{4}$ $\frac{S17}{S16}$
1959
Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
- 80.00 Point for the cor. of secs. 8, 9, 16 and 17.
Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap mkd.
T18S R15W
 $\frac{S 8}{S17}$ $\frac{S 9}{S16}$
1959
Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
Land, level.
Soil, sand.
Undergrowth, scattered sagebrush and shadscale.
Timber, none.

Portion of Subdivision, T. 18 S., R. 15 W.

Chains	
	From the cor. of secs. 9, 10, 15 and 16.
	S. 89° 55' W., bet. secs. 9 and 16.
	Over nearly level land:
40.02	Point for the $\frac{1}{4}$ sec. cor. of secs. 9 and 16.
	Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap mkd.
	T18S R15W $\frac{1}{4}$ S 9 S16 1959
	Raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.
80.04	The cor. of secs. 8, 9, 16 and 17.
	Land, level.
	Soil, sand.
	Undergrowth, scattered sagebrush and shadscale.
	Timber, none.
	From the cor. of secs. 4, 5, 32 and 33 on the S. bdy., an iron post, $2\frac{1}{2}$ ins. diam., set, mkd. and witnessed as described in the field notes of T. 19 S., R. 15 W.
	N. 0° 03' W., bet. secs. 32 and 33.
	Over nearly level land.
2.70	Graded road, bears E. and W.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 32 and 33.
	Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap mkd.
	T18S R15W $\frac{1}{4}$ S32 S33 1959
	Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
41.80	Unimproved road, bears N. 20° W. and S. 20° E.
42.30	Wash, 20 lks. wide, 2 ft. deep, drains N. 70° E.
80.00	Point for the cor. of secs. 28, 29, 32 and 33:
	Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap mkd.
	T18S R15W S29 S28 S32 S33 1959
	Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
	Land, level valley land.
	Soil, sandy loam.
	Undergrowth, scattered sagebrush and shadscale.
	Timber, none.

Portion of Subdi. T. 18 S. R. 15 W.

Chains

From the cor. of secs. 5, 6, 31 and 32 on the S. bdy. of the twp, an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the field notes of T. 19 S., R. 15 W.

N. 0° 03' W., bet. secs. 31 and 32.

Over nearly level desert land.

1.40 Graded road, bears E. and W.

13.50 Wash, 20 lks. wide, 2 ft. deep, drains N. 70° E.

40.00 Point for the ¼ sec. cor. of secs. 31 and 32.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T18S R15W

¼
S31|S32
1959

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

47.10 Wash, 40 lks. wide, 2 ft. deep, drains S. 70° E.

64.30 Wash, 30 lks. wide, 2 ft. deep, drains S. 70° E.

80.00 Point for the cor. of secs. 29, 30, 31 and 32.

Set an iron post, 30 ins. long, 2½ ins. diam., 15 ins. in the ground, and in a mound of stone to top, 3 ft. base, brass cap mkd.

T18S R15W

S30|S29
S31|S32
1959

Land, nearly level valley land.

Soil, gravel and sandy loam.

Undergrowth, scattered sagebrush and shadscale.

Timber, none.

From the cor. of secs. 28, 29, 32 and 33.

S. 89° 56' W., bet. secs. 29 and 32.

Over nearly level land.

9.50 Wash, 30 lks. wide, 2 ft. deep, drains N. 70° E.

12.30 Graded road, bears N. 20° W. and S. 20° E.

40.00 Point for the ¼ sec. cor. of secs. 29 and 32.

Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.

T18S R15W

¼
S29
S32
1959

Raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.

49.80 Wash, 30 lks. wide, 2 ft. deep, drains N. 70° E.

80.00 The cor. of secs. 29, 30, 31 and 32.

Portion of Subdivision, T. 18 S., R. 15 W.

Chains

Land, level desert valley land.
Soil, gravel, sandy loam.
Undergrowth, scattered sagebrush and shadscale.
Timber, none.

General Description

T. 18 S., R. 15 W. is located in a rolling desert valley which lies between the House and Confusion Mountain Ranges. The average elevation is 4600 ft. above sea level. The soil is made up of sand and clay, with the western part being rocky. There is no timber in the township.

Access into the area is provided by U. S. Highway 50 and 6, and desert roads. A graded road enters the township on the east boundary of section 12 and leaves the township at the northeast corner of section 3.

There are no sources of water in the township. There is no habitation. Principal use of the township is for winter grazing for sheep.

There were no minerals noted during the survey.

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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
ORIGINAL

FIELD NOTES

OF THE

INDEPENDENT RESURVEY OF THE EAST BOUNDARY

AND

A PORTION OF THE NORTH BOUNDARY

AND THE

SURVEY OF A PORTION OF THE NORTH BOUNDARY

AND A PORTION OF THE SUBDIVISION

OF

TOWNSHIP 18 SOUTH, RANGE 16 WEST

Of the Salt Lake Meridian,

the State of Utah.

EXECUTED BY

Vern E. Lane, Cadastral Surveyor (Chief of Party)

Lacel E. Bland, Cadastral Surveyor

Eldon W. Sibley, Cartographic Survey Aid

der special instructions dated August 4, 1954, which provided

r the surveys included under Group No. 407, approved September 7, 1954.

l assignment instructions dated May 1, 1959.

Survey commenced June 25, 1959.

Survey completed September 21, 1959.

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_____ Lancel E. Bland
_____ Eldon W. Sibley

GPO 866119

Township 18 South, Range 16 West

Chains

The east boundary and a portion of the north and south boundaries were surveyed by A. J. Stewart Jr. in 1884. The survey of the west boundary, a portion of the south boundary and the independent resurvey of a portion of the south boundary was surveyed concurrently and are described in the field notes of T. 18 S., R. 17 W. and T. 19 S., R. 16 W., respectively.

The following field notes are those of the independent resurvey of the east boundary and a portion of the north boundary, and the survey of a portion of the north boundary and a portion of the subdivision of T. 18 S., R. 16 W., deemed sufficient in extent to facilitate the development of the natural resources and mark the boundaries of those sections normally considered State school sections.

The survey was executed with W. & L. E. Gurley solar transits Nos. 491037 and 580515, constructed in accordance with the standard instrumental specifications of the Bureau of Land Management. The instruments were in good condition prior to the beginning of the survey and were maintained in proper adjustment throughout the progress of the survey.

Corners on east-west lines were set on the true latitudinal curve. Lines connecting previously established corners were run by random and true method, but for simplification of the record the random lines are omitted from the field notes. In accordance with the intent of the special instructions, all subdivisional corners established are calculated to be at the position they would occupy if the entire township were subdivided.

Measurements herein contained were made with a narrow steel tape, 8 chains in length, graduated every link for the first 100 links and thereafter at intervals of 10 links. The tape was tested by comparison with a one-chain standard steel tape and found to be correct. Measurements were made on the slope with the vertical angle of each interval ascertained by a clinometer in good adjustment; horizontal equivalents alone are entered in the field notes. All lines of this survey were run by direct method where the lines were accessible; lines inaccessible were run by traverse or triangulation methods. Distances to topography on lines run by traverse or triangulation are approximately as scaled from U. S. G. S. topographic sheets. The details of such traverses or triangulations have been thoroughly checked and verified and in order to simplify the record the diagrams and reductions are omitted from these field notes.

The direction of the lines of this survey were determined by reference to true meridians established on line by hour angle observations on Polaris or altitude observations on the sun. The lines were carried forward by sustained angulation being supplemented by other numerous altitude observations on the sun taken throughout the progress of the survey.

The geographic position for the southeast corner of the township is at latitude $39^{\circ} 11' 32.7''$ N. and longitude $113^{\circ} 35' 04.9''$ W., as adjusted from traverses along section lines to U. S. G. S. triangulation station "Water Tank" near the crossroads at Painter Springs and U. S. C. & G. S. Station H-74.

The magnetic declination was read at a number of stations throughout the township and the average of these readings was found to be $16^{\circ} 30'$ East.

Resurvey of the East Boundary of T. 18 S., R. 16 W.

Chains

Independent resurvey of the east boundary of T. 18 S., R. 16 W., superseding the survey of A. J. Stewart Jr. in 1884.

Beginning at the cor. of Tps. 18 and 19 S., Rs. 15 and 16 W., an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the field notes of T. 19 S., R. 16 W.

North, bet. secs. 31 and 36.

Over rolling desert valley land draining easterly.

2.20 Wash, 60 lks. wide, 2 ft. deep, drains E.

24.70 Wash, 30 lks. wide, 2 ft. deep, drains N. 60° E.

40.00 Point for the ¼ sec. cor. of secs. 31 and 36.

Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.

T18S
R16W R15W

¼
S36|S31
1959

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

80.00 Point for the cor. of secs. 25, 30, 31 and 36.

Set an iron post, 30 ins. long, 2½ ins. diam., 18 ins. in the ground, in a collar of stone, with brass cap mkd.

T18S
R16W R15W

S25|S30
S31|S36
1959

Land, rolling.

Soil, gravel and sandy loam.

Timber, none.

Undergrowth, scattered sagebrush and shadscale.

North, bet. secs. 25 and 30.

Over rolling desert valley land draining easterly.

2.40 Trail road, bears S. 70° E. and N. 40° W.

3.50 Wash, 40 lks. wide, 2 ft. deep, drains S. 40° E.

17.50 Wash, 20 lks. wide, 1 ft. deep, drains E.

33.90 Wash, 60 lks. wide, 2 ft. deep, drains N. 70° E.

40.00 Point for the ¼ sec. cor. of secs. 25 and 30.

Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.

T18S
R16W R15W

¼
S25|S30
1959

Independent Reserve of the East Boundary of T. 18 S., R. 16 W.

Chains

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

52.10 Wash, 20 lks. wide, 2 ft. deep, drains E.

67.50 Wash, 40 lks. wide, 2 ft. deep, drains N. 70° E.

76.40 Bladed road, bears S. 60° E. and N. 20° W.

80.00 Point for the cor. of secs. 19, 24, 25 and 30.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T18S
R16W R15W
S24 | S19
S25 | S30
1959

Raise a mound of stone, 3 ft. base, 1½ ft. high, W. of cor.

Land, rolling.

Soil, sandy loam and gravel.

Timber, none.

Undergrowth, scattered sagebrush and shadscale.

North, bet. secs. 19 and 24.

Over rolling desert valley land draining easterly.

16.00 Bladed road, bears N. 5° E. and S. 5° W.

28.30 Wash, 30 lks. wide, 1 ft. deep, drains N. 70° W.

40.00 Point for the ¼ sec. cor. of secs. 19 and 24.

Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.

T18S
R16W R15W
¼
S24 | S19
1959

Raise a mound of stone, 2½ ft. base, 1½ ft. high, W. of cor.

44.40 Bladed road, bears N. 40° W. and S. 40° E.

69.70 Bladed road, bears N. 10° W. and S. 40° E.

74.10 Wash, 30 lks. wide, 2 ft. deep, drains S. 70° E.

80.00 Point for the cor. of secs. 13, 18, 19 and 24.

Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd,

T18S
R16W R15W
S13 | S18
S24 | S19
1959

Raise a mound of stone, 3 ft. base, 1½ ft. high, W. of cor.

Independent Resurvey of the East Boundary of T18 S., R. 16 W.

Chains

Land, rolling.
Soil, sandy loam and gravel.
Timber, none.
Undergrowth, scattered sagebrush and shadscale.

North, bet. secs. 13 and 18.

Over rolling desert valley land draining easterly.

22.70 Wash, 30 lks. wide, 3 ft. deep, drains N. 60° E.

26.10 Bladed road, bears N. 40° E. and S. 40° W.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 13 and 18.

Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground
with brass cap mkd.

T18S
R16W R15W
 $\frac{1}{4}$
S13 | S18
1959

Raise a mound of stone, 2½ ft. base, 1½ ft. high, W. of cor.

73.30 Base of ascent, bears E. and W.; asc. 40 ft. over rocky S. slope.

80.00 Point for the cor. of secs. 7, 12, 13 and 18.

Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground,
in a mound of stone, 3½ ft. base to top, with brass cap mkd.

T18S
R16W R15W
S12 | S 7
S13 | S18
1959

Land, rolling.
Soil, sandy loam, gravel and rocky.
Timber, none.
Undergrowth, scattered sagebrush and shadscale.

North, bet. secs. 7 and 12.

Over rolling land; asc. 70 ft. over S. slope.

4.00 Top of ascent, bears E. and W.; desc. 120 ft. over N. slope.

7.90 Wash, 20 lks. wide, 2 ft. deep, drains N. 60° E.; asc. 190 ft. over SE. slope.

23.70 Spur, slopes N. 70° E.; desc. 190 ft. over N. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 7 and 12.

Set an iron post, 30 ins. long, 2½ ins. diam., 2 ins. in the ground,
in a mound of stone, 4 ft. base to top, with brass cap mkd.

T18S
R16W R15W

S12 | 7

Independent Resurvey of the East Boundary of T. 18 S., R. 16 W.

Chains	
	Desc. 30 ft. over N. slope.
41.40	Wash, 30 lks. wide, 2 ft. deep, drains N. 70° E.; asc. 80 ft. over SE. slope.
50.60	Small spur, slopes N. 60° E.; desc. 120 ft. over NW. slope.
71.80	Wash, 20 lks. wide, 2 ft. deep, drains NE.
80.00	Point for the cor. of secs. 1, 6, 7 and 12.
	Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.
	<div style="text-align: center;"> T18S R16W R15W S1 S6 S12 S 7 1959 </div>
	Raise a mound of stone, 3 ft. base, 1½ ft. high, W. of cor.
	Land, slightly broken.
	Soil, rocky and sandy loam.
	Timber, none.
	Undergrowth, scattered sagebrush and shadscale.
	North, bet. secs. 1 and 6.
	Over rolling land draining easterly.
18.70	Trail road, bears N. 40° W. and S. 40° E.
39.40	Wash, 30 lks. wide, 3 ft. deep, drains S. 70° E.
40.00	Point for the ¼ sec. cor. of secs. 1 and 6.
	Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground, with brass cap mkd.
	<div style="text-align: center;"> T18S R16W R15W ½ S1 S6 1959 </div>
	Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
80.00	Point for the cor. of Tps. 17 and 18 S., Rs. 15 and 16 W.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.
	<div style="text-align: center;"> T17S R16W R15W S36 S31 S1 S6 T18S 1959 </div>
	Raise a mound of stone, 3½ ft. base, 2 ft. high, S. of cor.
	Land, rolling.
	Soil, gravel and sandy loam.
	Timber, none.
	Undergrowth, scattered sagebrush and shadscale.

of a Portion

of the North Boundary of T. 18 S. R. 16 W.

Chains

of a portion

Independent Resurvey of the north boundary of T. 18 S., R. 16 W., superseding the survey of A. J. Stewart Jr. in 1884. There is no remaining evidence of the original corners.

From the cor. of Tps. 17 and 18 S., Rs. 15 and 16 W., hereinbefore described.

S. 89° 59' W., bet. secs. 1 and 36.

Over rolling desert land draining NE.; asc. 30 ft.

27.00 Small wash, drains N. 30° E.; asc. 20 ft. over rolling NE. slope.

40.00 Point for the $\frac{1}{2}$ sec. cor. of secs. 1 and 36.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T17S R16W

$\frac{1}{2}$ $\frac{S36}{S1}$

1959

Raise a mound of stone, 2 $\frac{1}{2}$ ft. base, 2 ft. high, N. of cro.

Asc. 20 ft. over NE. slope.

46.80 Trail road, bears N. 10° W. and S. 10° E.; asc. 20 ft. over NE. slope.

54.40 Wash, 20 lks. wide, 1 ft. deep, drains N. 20° E.; asc. 30 ft. over NE. slope.

60.80 Base of steep ascent, bears N. and S.; asc. 280 ft. over steep and ledgy SE. slope.

73.30 Top of ledge, 75 ft. high, bears NE. and SW.; thence along rolling N. slope.

80.00 Point for the cor. of secs. 1, 2, 35 and 36.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 6 ins. in the ground to bedrock, in a mound of stone, 3 $\frac{1}{2}$ ft. base to top, with brass cap mkd.

T17S R16W

$\frac{S35}{S2}$ $\frac{S36}{S1}$

T18S
1959

Land, rolling and broken.

Soil, gravelly, exposed limestone and sandy.

Timber, none.

Undergrowth, scattered juniper 40 chs., pinion 40, chs.

Survey of a Portion of the North Boundary of T. 18 S., R. 16 W.

S. 89° 59' W., bet. secs. 2 and 35.

Over broken mountainous land, through scattered juniper and pinion; asc. 100 ft. over steep and ledgy E. slope.

7.80 Spur, bears NE.; asc. 350 ft. over steep and broken E. slope.

22.30 Narrow ridge, bears N.; desc. 290 ft. over steep W. slope.

Survey of a Portion of the North Boundary of T. 18 S., R. 16 W.

Chains	
29.10	Base of steep descent, bears N. and S.; desc. 140 ft. over W. slope.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 35. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., over a cross (X) cut on solid rock, in a mound of stone, $3\frac{1}{2}$ ft. base to top, with brass cap mkd. T17S R16W $\frac{1}{4}$ $\frac{S35}{S2}$ T18S 1959 Desc. 50 ft. over W. slope.
44.10	Wash, 1.00 ch. wide, 3 ft. deep, drains N.; asc. 10 ft. over NE. slope.
53.20	Trail road, bears N. and S.
55.10	Wash, 20 lks. wide, 1 ft. deep, drains NE.; asc. 70 ft. over rolling NE. slope.
75.30	Trail road, bears SW. and NE.; asc. 20 ft. over rolling NE. slope.
80.00	Point for the cor. of secs. 2, 3, 34 and 35. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd. T17S R16W $\frac{S34}{S3}$ $\frac{S35}{S2}$ T18S 1959 Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, W. of cor. Land, mountainous. Soil, exposed limestone, clay and sand. Timber, none. Undergrowth, scattered juniper and pinion.
	S. $89^{\circ} 59'$ W., bet. secs. 3 and 34. Over mountainous land, through scattered juniper.
1.60	Wash, 20 lks. wide, 2 ft. deep, drains NE.; asc. 210 ft. over E. slope.
16.30	Ridge, bears N.; desc. 60 ft. over W. slope.
22.20	Wash, 20 lks. wide, 2 ft. deep, drains N.; asc. 150 ft. over E. slope.
33.80	Top of ascent on S. slope; desc. 40 ft. over SW. slope.
39.00	Base of descent, drains S.; asc. 10 ft. over SE. slope.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 3 and 34. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 20 ins. in the ground, in a collar of stone, with brass cap mkd.

Survey of a Portion of the North Boundary of T. 18 S., R. 16 W.

Chains

T17S R16W

$\frac{1}{4}$ $\frac{S34}{S3}$
T18S
1959

Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, N. of cor.

Asc. 130 ft. over SE. slope.

47.40= Top of ascent on S. slope; thence along S. slope.

55.80 Ravine, drains S. 60° E.; asc. 130 ft. over steep E. slope.

61.80 Ridge, bears N. 10° E.; desc. 250 ft. over W. slope.

80.00 Point for the cor. of secs. 3, 4, 33 and 34.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 14 ins. in the ground to bedrock, in a mound of stone, 3 ft. base to top, with brass cap mkd.

T17S R16W

$\frac{S33}{S4}$ $\frac{S34}{S3}$
T18S
1959

Land, broken mountainous.

Soil, clay, exposed limestone and sand.

Timber, none.

Undergrowth, scattered juniper.

S. $89^\circ 59'$ W., bet. secs. 4 and 33.

Over mountainous land, through scattered timber; desc. 10 ft. over W. slope.

3.80 Trail road, bears N. and S.; desc. 10 ft. over W. slope.

6.00 Wash, 20 lks. wide, 2 ft. deep, drains N.; trail road, bears N. and S.; asc. 260 ft. over steep E. slope.

17.80 Top of ledge, 50 ft. high, bears N. and S.; asc. 10 ft. over E. slope.

18.50 Ridge, bears N. 10° E.; desc. 170 ft. over NW. slope.

35.90 Wash, 20 lks. wide, 2 ft. deep, drains N. 20° E.; asc. 40 ft. over NE. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 4 and 33.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T17S R16W

$\frac{1}{4}$ $\frac{S33}{S4}$
T18S
1959

Raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.

Asc. 10 ft. over NE. slope.

42.70 Bladed road, bears N. 15° E. and S. 15° W.; asc. 60 ft. over NE. slope.

Survey of a portion of the North Boundary of T. 18 S., R. 16 W.

Chains

- 52.00 Begin ascent over steep E. slope; asc. 170 ft.
- 61.70 Ridge, bears N. 15° E.; desc. 60 ft. over NW. slope.
- 65.70 Wash, 20 lks. wide, 2 ft. deep, drains N. 15° E.; asc. 140 ft. over E. slope.
- 80.00 Point for the cor. of secs. 4, 5, 32 and 33.

Set an iron post, 30 ins. long, 2½ ins. diam., 5 ins. in the ground to bedrock, in a mound of stone, 3½ ft. base to top, with brass cap mkd.

T17S R16W

S32 | S33

S5 | S4

T18S

1959

Land, broken and mountainous.

Soil, clay, exposed limestone and sand.

Timber, none.

Undergrowth, scattered juniper.

S. 89° 59' W., bet. secs. 5 and 32.

Over broken mountainous land, through scattered timber; asc. 200 ft. over E. slope.

- 7.80 Ridge, bears N. 15° E.; desc. 120 ft. over NW. slope.
- 14.50 Wash, 20 lks. wide, 2 ft. deep, drains N.; asc. 50 ft. over NE. slope.
- 18.30 Low spur, bears N.; desc. 50 ft. over NW. slope.
- 22.20 Wash, 20 lks. wide, 2 ft. deep, drains N. 20° E.; asc. 190 ft. over steep E. slope.
- 30.20 Ridge, bears N. 20° E.; desc. 90 ft. over NW. slope.
- 36.50 Ravine, drains N.; asc. 50 ft. over NE. slope.
- 39.10 Spur, bears N.; desc. 10 ft. over NW. slope.
- 40.00 Point for the ¼ sec. cor. of secs. 5 and 32.

Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground to bedrock, in a mound of stone, 3 ft. base to top, with brass cap mkd.

T17S R16W

¼ S32

S 5

T18S

1959

Desc. 75 ft. over NW. slope.

- 43.40 Ravine, drains N. 20° W.; asc. 10 ft. over NE. slope.
- 46.50 Spur, bears N. 20° W.; desc. 60 ft. over rolling land draining N.
- 63.20 Trail road, bears N. and S.; desc. 30 ft. over NW. slope.
- 68.50 Wash, 50 lks. wide, 2 ft. deep, drains N.; thence over rolling land draining N.

Survey of a Portion of the North Boundary of T. 18 S., R. 16 W.

Chains

- 75.50 Wash, 20 lks. wide, 2 ft. deep, drains N. 10° W.
- 78.10 Small wash, drains N. 10° E.; asc. 40 ft. over E. slope.
- 80.00 Point for the cor. of secs. 5, 6, 31 and 32.
- Set an iron post, 30 ins. long, 2½ ins. diam., 3 ins. in the ground to bedrock, in a mound of stone, 3½ ft. base to top, with brass cap mkd.

T17S R16W
S31 S32
S6 S5
T18S
1959

Land, broken and rolling.
Soil, clay, limestone and sandy.
Timber, none.
Undergrowth, scattered juniper and pinion.

S. 89° 59' W., bet. secs. 6 and 31.

Over rolling mountainous land, through scattered timber; asc. 10 ft. over E. slope.

- .60 Spur, bears N. 10° E.; desc. 50 ft. over NW. slope.
- 6.10 Ravine, drains N. 10° E.; asc. 170 ft. over E. slope.
- 19.80 Ridge, bears N. 20° E.; desc. 130 ft. over NW. slope.
- 26.20 Ravine, drains N. 10° E.; asc. 70 ft. over E. slope.
- 29.80 Spur, bears N. 20° E.; desc. 115 ft. over NW. slope.
- 37.20 Wash, 20 lks. wide, 2 ft. deep, drains N. 30° E.; asc. 25 ft. over SE. slope.
- 40.00 Point for the ¼ sec. cor. of secs. 6 and 31.

Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground, in a collar of stone, with brass cap mkd.

T17S R16W
¼ S31
S 6
T18S
1959

Raise a mound of stone, 2½ ft. base, 2 ft. high, N. of cor.

Asc. 30 ft. over SE. slope.

- 42.70 Spur, bears N.; desc. 30 ft. over W. slope.
- 45.70 Ravine, drains N.; asc. 30 ft. over E. slope.
- 48.20 Low spur, bears N.; desc. 20 ft. over NW. slope.
- 54.30 Wash, 30 lks. wide, 2 ft. deep, drains N. 30° E.; asc. 30 ft. over SE. slope.
- 57.40 Spur, bears N. 30° E.; trail road, bears N. 30° E. and S. 30° W.; thence over rolling land draining NE.
- 73.90 Wash, 20 lks. wide, 1 ft. deep, drains N. 10° E.

Survey of a Portion of the North Boundary of T. 18 S., R. 16 W.

Chains 78.63	<p>The cor. of Tps. 17 and 18 S., Rs. 16 and 17 W., an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the field notes of the concurrent survey of T. 18 S., R. 17 W.</p> <p>Land, rolling. Soil, clay and sandy. Timber, scattered juniper and pinion.</p>
	<p>Survey of a Portion of the Subdivision of T. 18 S., R. 16 W.</p>
40.00	<p>From the cor. of secs. 1, 2, 35 and 36, on the S. bdy. of the Tp., an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the field notes of T. 19 S., R. 16 W.</p> <p>N. 0° 01' W., bet. secs. 35 and 36.</p> <p>Over rolling land draining easterly.</p> <p>Point for the ¼ sec. cor. of secs. 35 and 36.</p> <p>Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.</p> <div>T18S R16W * S35 S36 1959</div>
80.00	<p>Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.</p> <p>Point for the cor. of secs. 25, 26, 35 and 36.</p> <p>Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.</p> <div>T18S R16W S26 S25 S35 S36 1959</div> <p>Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.</p> <p>Land, rolling. Soil, gravel and sandy loam. Timber, none. Undergrowth, scattered sagebrush and shadscale.</p>
22.30	<p>From the cor. of secs. 25, 30, 31 and 36, on the E. bdy. of the Tp. S. 89° 56' W., bet. secs. 25 and 36.</p> <p>Over rolling land; asc. 160 ft. over NE. slope.</p> <p>Top of small ridge, bears SW. and S. 70° E. on curve; desc. 110 ft. over NW. slope.</p>
40.00	<p>Point for the ¼ sec. cor. of secs. 25 and 36.</p> <p>Set an iron post, 30 ins. long, 2½ ins. diam., 15 ins. in the ground, in a mound of stone, 3 ft. base to top, with brass cap mkd.</p>

Survey of a Portion of the Subdivision of T. 18 S., R. 16 W.

Chains

From the cor. of secs. 25, 26, 35 and 36, on the E. bdy. of the Tp.

 $\frac{1}{4}$ S25

S36

1959

Desc. 20 ft. over NW. slope.

41.40 Wash, 10 lks. wide, 2 ft. deep, drains NE.; asc. 130 ft. over E. slope.

50.50 Small spur, slopes N.; desc. 140 ft. over NW. slope.

56.70 Wash, 30 lks. wide, 2 ft. deep, drains NE.; asc. 130 ft. over E. slope.

76.30 Small spur, slopes NE.; desc. 40 ft. over NW. slope.

80.00 The cor. of secs. 25, 26, 35 and 36.

Land, rolling.

Soil, gravel and sandy loam.

Timber, none.

Undergrowth, scattered sagebrush and shadscale.

From the cor. of secs. 3, 4, 33 and 34 on the S. bdy. of the Tp., an iron post, $2\frac{1}{2}$ ins. diam., set, mkd. and witnessed as described in field notes of the survey of T. 19 S., R. 16 W.

N. $0^{\circ} 02'$ W., bet. secs. 33 and 34.

Over rolling mountainous land, through scattered timber; asc. 300 ft. over SW. slope.

29.60 Top of ascent on W. slope; desc. 80 ft. over NW. slope.

35.60 Base of descent on W. slope; asc. 40 ft. over SW. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 33 and 34.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 4 ins. in the ground to bedrock, in a mound of stone, $3\frac{1}{2}$ ft. base to top, with brass cap mkd.

T18S R16W

 $\frac{1}{4}$

S33 | S34

1959

Asc. 40 ft. along W. slope.

53.50 Begin ascent over SW. slope; asc. 150 ft.

61.30 Ridge, bears N. 70° E.; spur, bears S. 10° E.; desc. 120 ft. over NW. slope.71.40 Ravine, drains N. 80° W.; asc. 20 ft. over S. slope.

74.80 Top of ascent, bears SE. and NW.; desc. 50 ft. over N. slope.

80.00 Point for the cor. of secs. 27, 28, 33 and 34.

of a Portion of the Subdivision of T. 18 S., R. 17 W.

Chains

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T18S R16W

S28|S27

S33|S34

1959

Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor.

Land, rolling and broken.

Soil, clay, exposed limestone and sandy.

Timber, none.

Undergrowth, scattered juniper.

N. 0° 02' W., bet. secs. 27 and 28.

Over mountainous land, through scattered timber; desc. 20 ft. over N. slope.

3.00 Small wash, drains N. 70° E.; asc. 30 ft. over SE. slope.

9.90 Spur, bears E.; desc. 20 ft. over N. slope.

11.10 Small wash, drains E.; asc. 70 ft. over S. slope.

16.40 Spur, bears E.; desc. 70 ft. over NW. slope.

26.20 Small wash, drains S. 80° E.

31.10 Small wash, drains S. 60° E.; asc. 150 ft. over SW. slope.

39.90 Ridge, bears E. and W.

40.00 Point for the ¼ sec. cor. of secs. 27 and 28.

Set an iron post, 30 ins. long, 2½ ins. diam., 5 ins. in the ground to bedrock, in a mound of stone, 3½ ft. base to top, with brass cap mkd.

T18S R16W

S28|S27

1959

Desc. 150 ft. over NW. slope.

48.60 Wash, 10 lks. wide, 2 ft. deep, drains E.; asc. 40 ft. over S. slope.

54.00 Spur, bears S. 60° W.; desc. 10 ft. over W. slope.

55.20 Small wash, drains SW.; asc. 210 ft. over S. slope.

70.40 Spur, bears S. 20° E.; thence along E. slope.

77.30 Begin descent over NE. slope; desc. 40 ft.

80.00 Point for the cor. of secs. 21, 22, 27 and 28.

Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to bedrock, in a mound of stone, 3½ ft. base to top, with brass cap mkd.

T18S R16W

S21|S22

S28|S27

1959

Survey of a Portion of the Subdivision of T. 18 S., R. 16 W.

Chains

Land, rolling and broken, mountainous.
Soil, clay, exposed limestone and sand.
Timber, none.
Undergrowth, scattered juniper.

N. 0° 02' W., bet. secs. 21 and 22.

Over mountainous land, through scattered timber; desc. 50 ft. over NE. slope.

4.60 Wash, 20 lks. wide, 1 ft. deep, drains S. 80° E.; asc. 10 ft. over S slope.

7.50 Low spur, bears S. 80° E.; desc. 10 ft. over N. slope.

10.00 Small wash, drains S. 70° W.; asc. 250 ft. over SE. slope.

36.20 Ridge, bears E.; desc. 80 ft. over NE. slope.

40.00 Point for the $\frac{1}{2}$ sec. cor. of secs. 21 and 22.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 14 ins. in the ground to bedrock, in a mound of stone, 3 ft. base to top, with brass cap mkd.

T18S R16W

$\frac{1}{2}$
S21 | S22
1959

Desc. 90 ft. over NE. slope.

43.70 Base of descent on E. slope; thence along E. slope.

50.20 Spur, bears NE.; desc. 150 ft. over NW. slope.

59.70 Wash, 20 lks. wide, 2 ft. deep, drains E.; asc. 140 ft. over SW. slope.

72.70 Spur, bears S. 10° E.; asc. 125 ft. over SE. slope.

80.00 Point for the cor. of secs. 15, 16, 21 and 22.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 3 ins. in the ground to bedrock, in a mound of stone, 4 ft. base to top, with brass cap mkd.

T18S R16W

S16 | S15
S21 | S22
1959

Land, broken and mountainous.
Soil, clay, exposed limestone and sand.
Timber, none.
Undergrowth, scattered juniper and pinion.

N. 0° 02' W., bet. secs. 15 and 16.

Over mountainous land, through scattered timber; asc. 10 ft. over SE. slope.

1.20 Spur, bears E.; desc. 280 ft. over NE. slope.

Survey of a Portion of the Subdivision of T. 18 S. R. 16 W.

Chains

- 12.90 Ravine, drains S. 80° E.; asc. 10 ft. over S. slope.
- 16.80 Spur, bears E.; desc. 70 ft. over N. slope.
- 20.70 Ravine, drains E.; asc. 30 ft. over SE. slope.
- 24.30 Spur, bears N. 80° E.; desc. 100 ft. over rolling NW. slope.
- 39.30 Wash, 10 lks. wide, 3 ft. deep, drains E.
- 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 15 and 16.

Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground to bedrock, in a mound of stone, 3 ft. base to top, with brass cap mkd.

T18S R16W

S16 | S15
1959

Asc. 90 ft. over rolling S. slope.

- 58.40 Top of ascent, bears E. and W.; desc. 50 ft. over NE. slope.
- 62.00 Ravine, drains E.; asc. 75 ft. over SE. slope.
- 68.60 Spur, bears E.
- 73.80 Spur, bears N. 60° E.; desc. 100 ft. over NE. slope.
- 80.00 Point for the cor. of secs. 9, 10, 15 and 16.

Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to bedrock, in a mound of stone, 3½ ft. base to top, with brass cap mkd.

T18S R16W

S 9 | S10
S16 | S15
1959

Land, broken and rolling, mountainous.
Soil, clay, exposed limestone and sand.
Timber, none.
Undergrowth, scattered juniper and pinion.

N. 0° 02' W., bet. secs. 9 and 10.

Over mountainous land, through scattered timber; desc. 20 ft. over NE. slope.

- 1.10 Ravine, drains E.; thence along E. slope.
- 5.30 Small spur, bears E.; desc. 45 ft. over NE. slope.
- 11.80 Ravine, drains E.; asc. 70 ft. over SE. slope.
- 16.60 Spur, bears E.; desc. 110 ft. over NE. slope.
- 24.30 Ravine, drains S. 80° E.; asc. 140 ft. over steep SE. slope.
- 30.10 Spur, bears E.; asc. 70 ft. over SE. slope.

Survey of a Portion of the Subdivision of T. 18 S., R. 16 W.

Chains

35.20

Ravine, drains E.; asc. 70 ft. over SE. slope.

40.00

Point for the $\frac{1}{4}$ sec. cor. of secs. 9 and 10.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 3 ins. in the ground to bedrock, in a mound of stone, 4 ft. base to top, with brass cap mkd.

T18S R16W

$$\begin{array}{r} \frac{1}{4} \\ S. 9 | S 10 \\ 1959 \end{array}$$

Asc. 220 ft. over steep SE. slope.

48.10

Ridge, bears N. 20° E.; desc. 280 ft. over steep NW. slope.

56.60

Ravine, drains W.; asc. 70 ft. over SW. slope.

65.80

Top of ascent on W. slope; thence along W. slope.

71.70

Desc. 170 ft. over NW. slope.

77.80

Ravine, drains W.; asc. 30 ft. over SW. slope.

80.00

Point for the cor. of secs. 3, 4, 9 and 10.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 14 ins. in the ground to bedrock, in a mound of stone, $3\frac{1}{2}$ ft. base to top, with brass cap mkd.

T18S R16W

$$\begin{array}{r} S. 4 | S. 3 \\ S. 9 | S 10 \\ 1959 \end{array}$$

Land, broken and mountainous.

Soil, exposed limestone, clay and sand.

Timber, none.

Undergrowth, scattered juniper.

N. $0^{\circ} 06'$ W., bet. secs. 3 and 4.

Over mountainous land, through scattered timber; asc. 10 ft. over SW. slope.

2.20

Spur, bears W.; desc. 90 ft. over NW. slope.

6.60

Ravine, drains N. 80° W.; asc. 30 ft. over SW. slope.

10.40

Top of ascent on W. slope; desc. 120 ft. over NW. slope.

18.20

Ravine, drains N. 80° W.; asc. 60 ft. over S. slope.

21.30

Spur, bears W.; desc. 170 ft. over NW. slope.

28.10

Ravine, drains W.; asc. 80 ft. over steep SW. slope.

31.10

Spur, bears W.; desc. 130 ft. over steep N. slope.

36.00

Ravine, drains W.; asc. 40 ft. over SW. slope.

40.00

Point for the $\frac{1}{4}$ sec. cor. of secs. 3 and 4.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground to bedrock, in a mound of stone, $3\frac{1}{2}$ ft. base to top, with brass cap mkd.

Survey of a Portion of the Subdivision of T. 18 S., R. 16 W.

Chains

T18S R16W

S4|S3
1959

Asc. 10 ft. over SW. slope.

40.50 Top of ascent on W. slope; desc. 70 ft. over NW. slope.

44.90 Ravine, drains W.; asc. 45 ft. over SW. slope.

48.30 Top of ascent on W. slope; desc. 90 ft. over NW. slope.

52.80 Ravine, drains W.; asc. 10 ft. over SW. slope.

56.20 Top of ascent on W. slope; desc. 130 ft. over rolling NW. slope.

75.70 Small wash, drains W.; desc. 20 ft. over NW. slope.

79.94 The cor. of secs. 3, 4, 33 and 34 on the N. bdy. of the Tp., hereinbefore described.

Land, broken and rolling, mountainous.
Soil, clay, exposed limestone and sand.
Timber, none.
Undergrowth, scattered juniper.

From the cor. of secs. 2, 3, 34 and 35 on the N. bdy. of the Tp., an iron post, 2½ ins. diam., hereinbefore described.

S. 0° 01' E., bet. secs. 2 and 3.

Over mountainous land, through scattered timber; asc. 45 ft. over NE. slope.

14.00 Base of steep ascent, bears SE. and N. 20° W.; asc. 190 ft. over steep NE. slope.

23.40 Slope changes to NW.; asc. 60 ft.

27.40 Top of ascent on W. slope; thence along W. slope.

30.80 Spur, bears N. 10° E.; desc. 70 ft. over S. slope.

33.80 Base of descent on E. slope; asc. 20 ft. over NE. slope.

39.96 Point for the ¼ sec. cor. of secs. 2 and 3.

Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to bedrock, in a mound of stone, 4 ft. base to top, with brass cap mkd.

T18S R16W

S3|S2
1959

Asc. 110 ft. over NE. slope.

47.30 Top of ascent on E. slope; thence along broken E. slope.

67.90 Begin descent over rolling SW. slope; desc. 80 ft.

79.70 Point selected for the witness cor. of secs. 2, 3, 10 and 11.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, in a collar of stone, with brass cap mkd.

Chains

32343

T18S R16W

$\frac{S3}{S10} \frac{S2}{S11}$

W C
1959

Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor.

79.96 True point for the cor. of secs. 2, 3, 10 and 11 falls in wash, 20 lks. wide, 1 ft. deep, drains SE. where cor. cannot be perpetuated.

Land, broken mountainous.

Soil, exposed limestone, clay and sand.

Timber, none.

Undergrowth, scattered juniper.

From the true point for the cor. of secs. 2, 3, 10 and 11.

East, bet. secs. 2 and 11 on a theoretical parallel connecting the cor. of secs. 1, 6, 7 and 12 on the E. bdy. and the cor. of secs. 3, 4, 9 and 10 as specified in the special instructions.

Over rolling mountainous land, through scattered timber; asc. 10 ft. over SW. slope.

1.50 Top of ascent on S. slope; desc. 130 ft. over SE. slope.

9.50 Wash, 30 lks. wide, 2 ft. deep, drains NE.; thence over rolling valley draining W.

27.70 Small wash, drains N. 10° E.

31.60 Low ridge, bears N. 10° E.; desc. 30 ft. over NE. slope.

35.20 Small wash, drains NE.; thence over rolling N. slope.

38.00 Trail road, bears N. and S.

39.40 Wash, 20 lks. wide, 2 ft. deep, drains N. 10° W.

40.00 Point for the ¼ sec. cor. of secs. 2 and 11.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground with brass cap mkd.

T18S R16W

$\frac{S2}{S11}$

1959

Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor.

Asc. 50 ft. over W. slope.

44.50 Begin ascent over steeper W. slope; asc. 250 ft.

63.50 Ridge, bears N.; desc. 460 ft. over steep and ledgy E. slope.

77.50 Wash, 10 lks. wide, 2 ft. deep, drains W. 20° E.; thence along rolling W. slope.

80.00 Point for the cor. of secs. 1, 2, 11 and 12.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground with brass cap mkd.

Survey of a Portion of the Subdivision of T. 18 S., R. 16 W.

Chains

T18S R16W

S2/S1
S11/S12

1959

Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor.

Land, rolling and broken.

Soil, sandy, gravelly, clay and exposed limestone.

Timber, scattered juniper.

N. 0° 01' W., bet. secs. 1 and 2.

Over broken mountainous land, through scattered timber; desc. 15 ft. over NE. slope.

3.20 Wash, 10 lks. wide, 2 ft. deep, drains NE.; asc. 100 ft. over rolling E. slope.

40.00 Point for the ¼ sec. cor. of secs. 1 and 2.

Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to bedrock, in a mound of stone, 3½ ft. base to top, with brass cap mkd.

T18S R16W

¼
S2/S1
1959

Asc. 10 ft. along E. slope.

43.40 Top of ascent, bears SW. and NE.; desc. 50 ft. along W. slope.

52.90 Wash, 20 lks. wide, 2 ft. deep, drains N. 10° E.; asc. 20 ft. over ledgy SE. slope.

60.50 Top of ascent, bears N. 30° W. and S. 20° E.; desc. 150 ft. over ledgy NE. slope.

66.00 Ravine, drains N. 60° E.; asc. 140 ft. over ledgy SE. slope.

71.20 Top of ascent on E. slope; desc. 30 ft. over NE. slope.

73.70 Small wash, drains S. 70° E.; asc. 60 ft. over S. slope.

76.20 Spur, bears N. 50° E.; desc. 40 ft. over N. slope.

79.93 The cor. of secs. 1, 2, 35 and 36 on the N. bdy., hereinbefore described.

Land, broken and mountainous.

Soil, clay, exposed limestone and sand.

Timber, none.

Undergrowth, scattered juniper.

From the cor. of secs. 15, 16, 21 and 22.

S. 89° 57' W., bet. secs. 16 and 21.

Survey of a Portion of the Subdivision of T. 18 S., R. 16 W.

Chains

Over broken mountainous land, through scattered timber; asc. 110 ft. over SE. slope.

4.80 Spur, bears S.; desc. 110 ft. over SW. slope.

10.80 Base of descent on S. slope; asc. 260 ft. over steep E. slope.

20.20 Top of ascent, bears SE. and N.; desc. 80 ft. over SW. slope.

28.10 Ridge, bears NE. and S.; desc. 110 ft. over NW. slope.

35.40 Spur, bears N.; desc. 80 ft. over NW. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 16 and 21.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 10 ins. in the gr. to bedrock, in a mound of stone, $3\frac{1}{2}$ ft. base to top, with brass cap mkd.

T18S R16W

$\frac{1}{4}$ S16
S21

1959

Desc. 270 ft. over NW. slope.

62.30 Wash, 10 lks. wide, 2 ft. deep, drains N. 10° E.

62.70 Trail road, bears N. 10° E. and S. 10° W.; thence over rolling land draining NE.

76.40 Wash, 20 lks. wide, 3 ft. deep, drains NE.

80.00 Point for the cor. of secs. 16, 17, 20 and 21.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 18 ins. in the gr. in a collar of stone, with brass cap mkd.

T18S R16W

S17|S16
S20|S21

1959

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cro.

Land, broken and rolling.

Soil, clay and exposed limestone.

Timber, none.

Undergrowth, scattered juniper and pinion.

From the cor. of secs. 16, 17, 20 and 21.

N. $0^{\circ} 03'$ W., bet. secs. 16 and 17.

Over broken mountainous land, through scattered timber.

.80 Wash, 20 lks. wide, 4 ft. deep, drains N. 60° E.; asc. 380 ft. over steep SE. slope.

18.20 Top of ledge, 50 ft. high, bears S. 10° W. and N. 20° E.; asc. 30 ft. over SE. slope.

20.80 Ridge, bears S. 20° W. and N. 20° E.; thence along W. slope.

Survey of a Portion of the Subdivision of T. 18 S., R. 16 W.

Chains

- 24.30 Begin descent over NW. slope; desc. 180 ft.
- 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 16 and 17.
Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 2 ins. in the ground to bedrock, in a mound of stone, $3\frac{1}{2}$ ft. base to top, with brass cap mkd.
- T18S R16W
 $\frac{1}{4}$
S17 | S16
1959
- Desc. 230 ft. over NW. slope.
- 72.60 Wash, 30 lks. wide, 2 ft. deep, drains N. 20° E.; thence along E. slope.
- 80.00 Point for the cor. of secs. 8, 9, 16 and 17.
Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground to bedrock, in a mound of stone, $3\frac{1}{2}$ ft. base to top, with brass cap mkd.
- T18S R16W
S8 | S9
S17 | S16
1959
- Land, broken and mountainous.
Soil, clay, exposed limestone and sand.
Timber, none.
Undergrowth, scattered juniper and pinion.
-
- From the cor. of secs. 9, 10, 15 and 16.
S. $89^{\circ} 58'$ W., bet. secs. 9 and 16.
Over broken mountainous land, through scattered timber; asc. 340 ft. over steep E. slope.
- 12.20 Ridge, bears N. 10° E.; desc. 440 ft. over steep NW. slope.
- 32.60 Wash, 20 lks. wide, 1 ft. deep, drains NW.; asc. 10 ft. over NE. slope.
- 35.40 Spur, bears N.; desc. 60 ft. over NW. slope.
- 40.03 Point for the $\frac{1}{4}$ sec. cor. of secs. 9 and 16.
Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 8 ins. in the ground to bedrock, in a mound of stone, $3\frac{1}{2}$ ft. base to top, with brass cap mkd.
- T18S R16W
 $\frac{1}{4}$ S 9
S16
1959
- Desc. 30 ft. over NW. slope.
- 44.70 Trail road, bears N. and S.; desc. 10 ft. over NW. slope.
- 47.10 Wash, 20 lks. wide, 3 ft. deep, drains N.; asc. 460 ft. over steep E. slope.
- 64.70 Top of ascent, ledge, 100 ft. high, bears S. 10° W. and N. 10° E.; desc. 220 ft. over W. slope.

Survey of a Portion of the Subdivision of T. 18 S. R. 16 W.

Chains

78.80 Wash, 30 lks. wide, 2 ft. deep, drains N. 10° E.; asc. 20 ft. over E. slope.

80.06 The cor. of secs. 8, 9, 16 and 17.

Land, broken and mountainous.

Soil, clay, sandy and exposed limestone.

Timber, none.

Undergrowth, scattered juniper and pinion.

From the cor. of secs. 4, 5, 32 and 33, on the S. bdy. of the Tp., an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the field notes of T. 19 S., R. 16 W.

N. 0° 03' W., bet. secs. 32 and 33.

Over broken land, by triangulation asc. 240 ft. over SE. slope.

25.00 Top of ridge, bears N. and S.; desc. 520 ft. over broken N. slope.

40.00 End of triangulation and point for the ¼ sec. cor. of secs. 32 and 33.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground with brass cap mkd.

T18S R16W

¼

S32|S33

1959

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

Desc. 450 ft. over N. slope.

52.50 Wash, 15 lks. wide, 2 ft. deep, drains E.; asc. 380 ft. over steep and broken E. slope.

77.10 Spur, slopes E.; desc. 80 ft. over N. slope.

80.00 Point for the cor. of secs. 28, 29, 32 and 33.

Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground, in a mound of stone, 4 ft. base to top, with brass cap mkd.

T18S R16W

S29|S28

S32|S33

1959

Land, broken.

Soil, clay loam and exposed limestone.

Timber, scattered juniper and pinion.

Undergrowth, scattered sagebrush and shadscale.

From the cor. of secs. 5, 6, 31 and 32, on the S. bdy. of the Tp., an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the field notes of T. 19 S., R. 16 W.

N. 0° 03' W., bet. secs. 31 and 32.

Over broken land; desc. 20 ft. along W. slope.

Survey of a Portion of the Subdivision of T. 18 S., R. 16 W.

Chains	
12.60	Rim of ravine, bears NW. and SE.; by triangulation desc. 280 ft. over N. slope.
31.00	Head of ravine, drains NE.; asc. 160 ft. over ledgy SE. slope.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 31 and 32 falls on ledges facing SE. and cannot be perpetuated. Asc. 40 ft. over SE. slope.
42.90	Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 31 and 32. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground to bedrock, in a mound of stone, $3\frac{1}{2}$ ft. base to top, with brass cap mkd. <div style="text-align: center;"> T18S R16W $\frac{1}{4}$ S31 S32 WOC 1959 </div>
	Asc. 20 ft. over SE. slope.
46.60	Top of ridge, bears N. 10° E. and S. 10° W.; desc. 240 ft. along W. slope.
80.00	Point for the cor. of secs. 29, 30, 31 and 32. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap mkd. <div style="text-align: center;"> T18S R16W S30 S29 S31 S32 1959 </div>
	Raise a mound of stone, 3 ft. base, $2\frac{1}{2}$ ft. high, W. of cor. Land, broken. Soil, clay loam and exposed limestone. Timber, scattered juniper and pinion. Undergrowth, scattered sagebrush and shadscale.
	From the cor. of secs. 28, 29, 32 and 33. S. $89^{\circ} 57'$ W., bet. secs. 29 and 32. Over broken land; asc. 70 ft. over NE. slope.
7.20	Ridge, bears N. and S.; desc. 80 ft. over NE. slope.
20.40	Small spur, slopes N.; desc. 70 ft. over W. slope.
38.20	Unimproved road, bears N. and S.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 29 and 32. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap mkd. <div style="text-align: center;"> T18S R16W $\frac{1}{4}$ S29 S32 1959 </div>
	Raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.

Survey of a Portion of the Subdivision of T. 18 S., R. 16 W.

Chains

Desc. 10 ft. over W. slope.

40.50

Small wash, drains N.; asc. 430 ft. over broken E. slope.

61.20

Top of ridge, bears N. 10° E. and S. 10° W.; desc. 320 ft. over W. slope.

80.00

The cor. of secs. 29, 30, 31 and 32.

Land, broken.

Soil, clay loam and exposed limestone.

Timber, scattered juniper and pinion.

Undergrowth, scattered sagebrush and shadscale.

GENERAL DESCRIPTION

The land within this township is broken and rolling desert mountainous land. The elevation varies from 7,700 feet above sea level on mountains to 5,000 feet on the desert. The area drains northeasterly by numerous small drainages into the desert.

The soil varies from clay and exposed limestone on the mountains to gravel and sandy loam on the desert.

The timber is composed of scattered juniper and pinion of little commercial value.

Principal users of the area are sheepmen, and access into the township is provided by desert roads and stock trails.

No mineral formations of consequence were noted during the survey.

4-555
(Feb., 1933)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Crew under Lecler E. Bland:	
James R. Munson	Transitman
Wallace R. Ott	Chainman
Jerry Lee Thomas	Flagman
Clarence M. Carleton	Cornerman
Crew under Eldon W. Sibley:	
Danny Fredrickson	Notekeeper
Gordon Shurtz	Chainman
Dennis Bland	Flagman
Eldon Lovell	Cornerman
Garry Hardy	Cornerman

CERTIFICATE OF CADASTRAL ENGINEER

I, Vern E. Lane, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 4th day of August, 1954 supervised I have ~~surveyed~~ the independent resurvey of the east boundary and a portion of the north boundary and surveyed a portion of the north boundary and a portion of the subdivision of T. 18 S., R. 16 W.

of the Salt Lake Meridian, in the State of Utah, which are supervised represented in the foregoing field notes as having been ~~executed~~ by me and under my direction; and that said survey has been made in strict conformity with said instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

Salt Lake City, Utah

April 26, 1960

Vern E. Lane

Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., NOV 25 1960, 1960

The foregoing field notes of the ~~survey of~~ independent resurvey of the east boundary and a portion of the north boundary and the survey of a portion of the north boundary and a portion of the subdivision of T. 18 S., R. 16 W., Salt Lake Meridian, Utah

executed by Lacel E. Bland, Cadastral Surveyor and Eldon W. Sibley, Cartographic Survey Aid, under the supervision of Vern E. Lane, Cadastral Surveyor (Chief of SLM), having been critically examined and found correct, are hereby approved.

Robert J. Brown
Cadastral Engineering Staff Officer.

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in T. 18 S. R. 16 S., SLM, Utah, is a true copy of the original field notes.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
ORIGINAL

FIELD NOTES

OF THE

SURVEY

OF THE

EAST AND NORTH BOUNDARIES

AND

A PORTION OF THE SUBDIVISION

OF

TOWNSHIP 18 SOUTH, RANGE 17 WEST

Of the Salt Lake Meridian,

in the State of Utah

EXECUTED BY

Vern E. Lane, Cadastral Surveyor (Chief of Party)

Lacel E. Bland, Cadastral Surveyor

Under special instructions dated August 4, 1954, which provided

for the surveys included under Group No. 407, approved September 7, 1954

and assignment instructions dated May 1, 1959

Survey commenced July 8, 1959

Survey completed July 23, 1959

INDEX DIAGRAM

Township 18 South, Range 17 West

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Township 18 South, Range 17 West

Chains

The Snake Valley Guide Meridian, along the west boundary, was surveyed by A. J. Stewart Jr. in 1882,

It was independently resurveyed concurrently and is described in the field notes of T. 18 S., R. 18 W. The south boundary was surveyed concurrently and is described in the field notes of T. 19 S., R. 17 W.

The following field notes are those of the survey of the east and north boundaries and a portion of the subdivision of T. 18 S., R. 17 W., deemed sufficient to facilitate the development of the natural resources and mark the boundaries of those sections that are normally considered state school sections.

The survey was executed with a W. & L. E. Gurley Solar Transit No. 580515 constructed in accordance with the standard instrumental specifications of the Bureau of Land Management. The instrument was in good condition prior to the beginning of the survey and was maintained in proper adjustment throughout the progress of this survey.

Corners on east-west lines were set on the true latitudinal curve. Lines connecting previously established corners were run by random and true method, but for simplification of the record the random lines are omitted from the field notes. In accordance with the intent of the special instructions, all subdivisional corners established are calculated to be at the position they would occupy if the entire township were subdivided.

Measurements herein contained were made with a narrow steel tape, 8 chains in length, graduated every link for the first 100 links and thereafter at intervals of 10 links. The tape was tested by comparison with a 1 chain standard steel tape and found to be correct. Measurements were made on the slope with the vertical angle of each interval ascertained by a clinometer in good adjustment; horizontal equivalents alone are entered in the field notes. All lines of this survey were run by direct method where the lines were accessible; lines inaccessible were run by traverse or triangulation methods. Distances to topography on lines run by traverse or triangulation are approximately as scaled from U. S. G. S. topographic sheets. The details of such traverses or triangulations have been thoroughly checked and verified, and in order to simplify the record the diagrams and reductions are omitted from these field notes.

The direction of the lines of this survey were determined by reference to true meridians established on line by hour angle observations on Polaris or altitude observations on the sun. The lines were carried forward by sustained angulation being supplemented by other numerous altitude observations on the sun taken throughout the progress of the survey.

The geographic position for the southeast corner of the township is at latitude $39^{\circ} 11' 32.9''$ N. and longitude $113^{\circ} 41' 46.6''$ W. as adjusted from U. S. C. & G. S. station "High", along section lines.

The magnetic declination was read at a number of stations throughout the township and the average of these readings was found to be $16^{\circ} 30' E.$

Survey of the East Boundary of T. 18 S., R. 17 W.

Beginning at the cor. of Tps. 18 and 19 S., Rs. 16 and 17 W., an iron post, $2\frac{1}{2}$ ins. diam., set, mkd. and witnessed as described in the field notes of the concurrent survey of T. 19 S., R. 17 W.

North, bet. secs. 31 and 36.

Over rolling mountainous land, through medium dense timber; asc. 70 ft. over S. slope.

Survey E. 1/4 T. 18 S. R. 17 W.

Chains

- 16.50 Low spur, bears S. 30° E.; thence along E. slope.
- 24.60 Wash, 30 lks. wide, 3 ft. deep, drains SE.; asc. 120 ft. over S. slope.
- 40.00 Point for the 1/4 sec. cor. of secs. 31 and 36.
- Set an iron post, 30 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.

T18S

R17W R16W

S36|S31

1959

Raise a mound of stone, 2 1/2 ft. base, 2 ft. high, W. of cor.

Asc. 10 ft. over S. slope.

- 41.50 Spur, bears S. 30° E.; desc. 20 ft. over N. slope.
- 45.40 Wash, 10 lks. wide, 2 ft. deep, drains S. 30° E.; asc. 60 ft. over SE. slope.
- 52.60 Small wash, drains S. 30° E.; asc. 110 ft. over S. slope.
- 62.40 Begin ascent over steep S. slope; asc. 350 ft.
- 74.90 Top of ascent, bears E. and W.; desc. 30 ft. over NW. slope.
- 80.00 Point for the cor. of secs. 25, 30, 31 and 36.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 4 ins. in the ground to bedrock and in a mound of stone to top, 3 1/2 ft. base, with brass cap mkd.

T18S

R17W R16W

S25|S30

S36|S31

1959

Land, rolling and broken, mountainous.
Soil, sandy loam, clay and exposed limestone.
Timber, medium dense juniper and pinon.

North, bet. secs. 25 and 30.

Over broken mountainous land, through medium dense timber; desc. 20 ft. over NE. slope.

- 9.00 Slope changes to NW.; desc. 140 ft.
- 18.00 Ravine, drains NE.; asc. 50 ft. over SE. slope.
- 21.50 Spur, bears NE.; desc. 90 ft. over NW. slope.
- 26.90 Ravine, drains NE.; asc. 45 ft. over SE. slope.
- 34.00 Small spur, bears E.; desc. 45 ft. over NE. slope.
- 35.50 Ravine, drains S. 80° E.; asc. 120 ft. over steep SE. slope.
- 40.00 Point for the 1/4 sec. cor. of secs. 25 and 30.

Survey, E. Rdy., T. 18 S., R. 17 W.

Chains

Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground to bedrock and in a mound of stone to top, 3½ ft. base, with brass cap mkd.

T18S

R17W R16W.

S25|S30.

1959

Asc. 50 ft. over steep S. slope.

41.40 Spur, bears E.; desc. 60 ft. over NE. slope.

46.60 Ravine, drains E.; asc. 130 ft. over SE. slope.

57.50 Spur, bears E.; desc. 90 ft. over NE. slope.

62.00 Ravine, drains E.; asc. 110 ft. over SE. slope.

68.20 Spur, bears E.; desc. 50 ft. over NE. slope.

74.30 Ravine, drains S. 60° E.; asc. 140 ft. over SE. slope.

80.00 Point for the cor. of secs. 19, 24, 25 and 30.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, and in a collar of stone, with brass cap mkd.

T18S

R17W R16W.

S24|S19

S25|S30

1959

Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor.

Land, broken, mountainous.

Soil, clay, sandy loam, and exposed limestone.

Timber, medium dense pinon and juniper.

North, bet. secs. 19 and 24.

Over broken mountainous land, through scattering timber; asc. 90 ft. over steep SE. slope.

3.80 Spur, bears S. 80° E.; desc. 360 ft. over steep NE. slope.

21.70 Wash, 20 lks. wide, 2 ft. deep, drains S. 60° E.; asc. 130 ft. along E. slope.

38.50 Top of ascent on E. slope; desc. 5 ft. over NE. slope.

40.00 Point for the ¼ sec. cor. of secs. 19 and 24.

Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground to bedrock and in a mound of stone to top, 3 ft. base, with brass cap mkd.

T18S

R17W R16W.

S24|S19

1959

E. 17 S. T. 18 S. R. 17 W.

Chains

- Desc. 30 ft. over NE. slope.
- 41.60 Wash, 20 lks. wide, 1 ft. deep, drains S. 70° E.; asc. 20 ft. over SW. slope.
- 45.50 Top of ascent on W. slope; desc. 10 ft. over NW. slope.
- 48.20 Same wash, drains S. 10° W.; asc. 100 ft. over SE. slope.
- 55.30 Top of ascent on E. slope; desc. 30 ft. over NE. slope.
- 57.30 Same wash, drains SE.; asc. 230 ft. over S. slope.
- 68.10 Ridge, bears N. 60° E.; desc. 180 ft. over NW. slope.
- 77.10 Ravine, drains NW.; desc. 20 ft. over W. slope.
- 80.00 Point for the cor. of secs. 13, 18, 19 and 24.

Set an iron post, 30 ins. long, 2½ ins. diam., 3 ins. in the ground to bedrock and in a mound of stone to top, 4 ft. base, with brass cap mkd.

T18S
R17W R16W.
S13|S18
S24|S19
1959

Land, broken, mountainous.
Soil, clay, sandy loam, and exposed limestone.
Timber, scattered juniper and pinon.

North, bet. secs. 13 and 18.

Over broken mountainous land, through medium dense timber; along W. slope.

- .40 Begin descent over NW. slope; desc. 260 ft.
- 19.60 Small wash, drains W.; leave dense timber, bears E. and W.; desc. 160 ft. over NW. slope.
- 34.20 Wash, 20 lks. wide, 2 ft. deep, drains NE.; asc. 160 ft. over SE. slope.
- 40.00 Point for the ¼ sec. cor. of secs. 13 and 18.

Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground to bedrock and in a mound of stone to top, 3½ ft. base, with brass cap mkd.

T18S
R17W R16W
¼
S13|S18
1959

Asc. 50 ft. over SE. slope.

- 43.20 Ridge, bears N. 30° E.; desc. 460 ft. over NW. slope.
- 80.00 Point for the cor. of secs. 7, 12, 13 and 18.

Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground to bedrock and in a mound of stone to top, 3 ft. base, with brass cap mkd.

T. 18. S. 7. E. 17. W. 16

Chains

T18S

R17W R16W

S12 S 7

S13 S18

1959

Land, broken, mountainous.

Soil, clay, sandy loam and exposed limestone.

Timber, scattering and medium dense juniper and pinon.

North, bet. secs. 7 and 12.

Over broken mountainous land, through medium dense timber; desc. 30 ft. over W. slope.

9.00 Base of descent on W. slope; asc. 50 ft. over SW. slope.

12.30 Spur, bears N. from SE.; desc. 140 ft. along top of spur.

33.00 Same spur, bears NE.; desc. 60 ft. over NW. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 7 and 12.Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam; 24 ins. in the ground, with brass cap mkd.

T18S

R17W R16W

 $\frac{1}{4}$

S12 S 7

1959

Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.

Desc. 40 ft. over NW. slope.

45.80 Wash, 20 lks. wide, 1 ft. deep, drains NE.; desc. 20 ft. along W. slope.

55.40 Same wash, drains N. 30° W.; thence along W. slope.

58.50 Same wash, drains NE.; asc. 15 ft. over SE. slope.

63.80 Spur, bears N. 30° E.; desc. 20 ft. over NW. slope.65.40 Ravine, drains N. 60° E.; asc. 30 ft. over SE. slope.70.50 Spur, bears N. 70° E.; desc. 100 ft. over NW. slope.76.00 Wash, 20 lks. wide, 1 ft. deep, drains N. 60° E.; asc. 50 ft. over SE. slope.

80.00 Point for the cor. of secs. 1, 6, 7 and 12.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 14 ins. in the ground to bedrock and in a mound of stone to top, 3 ft. base, with brass cap mkd.

T18S

R17W R16W

S 1 S 6

S12 S 7

1959

Land, rolling and broken, mountainous.

Soil, clay, sandy loam, and exposed limestone.

Timber, medium dense pinon and juniper.

Survey, E. Bdy., T. 18 S., R. 17 W.

Chains North, bet. secs. 1 and 6.
Over rolling mountainous land, through scattered timber; asc. 10 ft. over SE. slope.

1.50 Spur, bears E.; desc. 70 ft. along E. slope.

13.40 Spur, bears NE.; desc. 70 ft. over NW. slope.

18.20 Enter wash, 20 lks. wide, 2 ft. deep, drains N.

24.60 Leave wash, drains NE.; asc. 10 ft. over SE. slope.

29.70 Top of ascent on E. slope; desc. 80 ft. over NE. slope.

40.00 Point for the $\frac{1}{2}$ sec. cor. of secs. 1 and 6.
Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 4 ins. in the ground to bedrock and in a mound of stone to top, 4 ft. base, with brass cap mkd.

T18S
R17W R16W
 $\frac{1}{2}$
S 1 | S 6
1959

Desc. 10 ft. along E. slope.

42.00 W. edge of main wash, 50 lks. wide, 3 ft. deep, drains NE., from S. 30° E., at junction of small wash, from SW.; asc. 30 ft. over SE. slope.

47.90 Spur, bears N. 30° E.; thence along W. slope.

57.50 Begin descent over rolling NW. slope.; desc. 110 ft.

70.60 Wash, 10 lks. wide, 2 ft. deep, drains NE.; asc. 20 ft. over SE. slope.

77.60 Spur, bears N. 30° E.; desc. 10 ft. over NW. slope.

80.00 Point for the cor. of Tps. 17 and 18 S., Rs. 16 and 17 W.
Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 4 ins. in the ground to bedrock and in a mound of stone, to top, 4 ft. base, with brass cap mkd.

T17S
R17W R16W
S36 | S31
S 1 | S 6
T18S
1959

Land, rolling.
Soil, clay, sandy loam and exposed limestone.
Timber, scattered juniper and pinon.

Survey of the North Boundary of T. 18 S., R. 17 W.

From the cor. of Tps. 17 and 18 S., Rs. 16 and 17 W., hereinbefore described.

S. $89^{\circ} 59'$ W., bet. secs. 1 and 36.

Over rolling land, through scattered timber; desc. 20 ft. over W. slope.

Wash, 20 lks. wide, 1 ft. deep, drains N. 10° E.; asc. 40 ft. over NE. slope.

Chains

.50

Wash, 20 lks. wide, 1 ft. deep, drains N. 10° E.; asc. 40 ft. over NE. slope.

8.40

Spur, bears N. 30° E.; desc. 30 ft. over NW. slope.

11.80

Ravine, drains N. 30° E.; asc. 40 ft. over E. slope.

16.40

Spur, bears N.; desc. 20 ft. over NW. slope.

20.60

Wash, 20 lks. wide, 1 ft. deep, drains N.; thence over rolling land, draining N.

26.30

Trail road, bears N. and S.

33.80

Wash, 20 lks. wide, 3 ft. deep, drains N.

40.00

Point for the $\frac{1}{4}$ sec. cor. of secs. 1 and 36.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 12 ins. in the ground to bedrock and in a mound of stone to top, 3 ft. base, with brass cap mkd:

T17S R17W

$\frac{S36}{S1}$

T18S

1959

Cont. over rolling land, draining N.

43.70

Trail road, bears NE. and SW.

44.70

Wash, 10 lks. wide, 3 ft. deep, drains N.; asc. 40 ft. over gradual NE. slope.

58.00

Low ridge, bears N.; thence over rolling land, draining NW.

64.80

Trail road, bears NW. and SE.

72.50

Trail road, bears N. and S.

75.10

Right bank of wash, bears S. and N. 10° W.; desc. 40 ft. over W. slope.

77.00

Wash, 80 lks. wide, 3 ft. deep, drains N. 20° W.; asc. 40 ft. over E. slope.

79.50

Left bank of wash, bears S. and N. 20° W.

80.00

Point for the cor. of secs. 1, 2, 35 and 36.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 8 ins. in the ground to bedrock and in a mound of stone, to top, 3 ft. base, with brass cap mkd.

T17S R17W

$\frac{S35}{S2} \frac{S36}{S1}$

T18S

1959

Land, rolling.

Soil, sandy loam, clay and gravel.

Timber, scattering juniper and pinon.

Survey, N. Boundary, T. 18 S., R. 17 W.

Chains

S. 89° 59' W., bet. secs. 2 and 35.

Over rolling land, through scattering timber.

6.00 Small wash, drains N.

7.40 Small wash, drains N.; asc. 130 ft. over steep E. slope.

16.20 Ridge, bears N.; desc. 220 ft. over NW. slope.

27.90 Small wash, drains NW.; desc. 40 ft. over NW. slope.

30.70 Base of steep descent, bears SW. and N.; desc. 50 ft. over rolling NW. slope.

36.40 Small wash, drains N. 30° W.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 35.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 4 ins. in the ground to bedrock and in a mound of stone to top, 3 ft. base, with brass cap mkd.

T17S R17W

 $\frac{1}{4}$ S35

S 2

T18S

1959

Cont. over rolling land, draining NW.; desc. 40 ft.

48.90 Small wash, drains N.; desc. 10 ft. over NW. slope.

52.40 Small wash, drains N. 20° W.; desc. 30 ft. over rolling NW. slope.

59.50 Small wash, drains N. 10° W.

63.60 Wash, 20 lks. wide, 2 ft. deep, drains N.; thence along rolling N. slope.

80.00 Point for the cor. of secs. 2, 3, 34 and 35.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 8 ins. in the ground to bedrock and in a mound of stone to top, 3 ft. base, with brass cap mkd.

T17S R17W

S34 S35

S 3 S 2

T18S

1959

Land, rolling.

Soil, sandy loam, clay, gravel and exposed limestone.

Timber, scattering juniper and pinon.

S. 89° 59' W., bet. secs. 3 and 34.

Over rolling land, draining NW., through scattering timber; desc. 20 ft.

1.90 Small wash, drains N. 30° W.; asc. 10 ft. over NE. slope.

6.50 Small spur, bears N. 10° W.; desc. 40 ft. over rolling NW. slope.

14.60 Small wash, drains NW.; desc. 30 ft. over rolling NW. slope.

Survey, N. Boundary, T. 18 S., R. 17 W.

Chains	
27.90	Small wash, drains SW.
32.80	Trail road, bears NE. and S.
33.20	Trail road, bears NE. and SW.; desc. 40 ft. over rolling NW. slope.
40.00	Point for the $\frac{1}{2}$ sec. cor. of secs. 3 and 34.
	Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.
	T17S R17W $\frac{1}{2}$ S34 S 3 T18S 1959
	Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, N. of cor.
	Cont. over rolling land, draining NW.
41.40	Wash, 20 lks. wide, 3 ft. deep, drains N. 60° W.; desc. 40 ft. over NW. slope.
50.00	Small wash, drains NW.; desc. 20 ft. over NW. slope.
57.30	Wash, 20 lks. wide, 3 ft. deep, drains NW.
59.60	Wash, 70 lks. wide, 3 ft. deep, drains N. 20° W.; asc. 20 ft. over NE. slope.
60.60	Spur, bears N.; desc. 60 ft. over NW. slope.
76.70	Small wash, drains N.
80.00	Point for the cor. of secs. 3, 4, 33 and 34.
	Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.
	T17S R17W S 33 S34 S 4 S 3 T18S 1959
	Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.
	Land, rolling.
	Soil, sandy loam, clay and gravel.
	Timber, scattering juniper E. $\frac{1}{2}$; none W. $\frac{1}{2}$.
	S. $89^{\circ} 59'$ W., bet. secs. 34 and 33.
	Over rolling land, draining N.
1.40	Wash, 20 lks. wide, 2 ft. deep, drains N. 20° W.; asc. 40 ft. over NE. slope.
9.00	Rocky spur, bears N. 20° E.
12.40	Spur, bears NE.; desc. 80 ft. over NW. slope.
17.40	Small wash, drains N.; asc. 50 ft. over NE. slope.
21.90	Top of small rocky knoll; desc. 110 ft. over steep W. slope.

N. Bound. T. 18 S. R. 17 W.

Chains

28.00 Base of steep descent, bears NE. and SW. $\frac{1}{4}$ desc. 30 ft. over rolling W. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 4 and 33.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T17S R17W

 $\frac{1}{4}$ $\frac{S33}{S4}$

T18S
1959

Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, N. of cor.

41.90 Wash, 20 lks. wide, 2 ft. deep, drains W.

47.50 Leave wash, drains S. 70° W.; asc. 30 ft. over E. slope.

49.00 Same wash, drains N. 70° W.; desc. 30 ft. over rolling NW. slope.

71.30 Small wash, drains NW.; desc. 20 ft. over NW. slope.

80.00 Point for the cor. of secs. 4, 5, 32 and 33.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T17S R17W

 $\frac{S32}{S5}$ $\frac{S33}{S4}$
 $\frac{S5}{S4}$

T18S
1959

Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.

Land, rolling.

Soil, sandy loam, gravel and clay.

Timber, none.

S. $89^\circ 59'$ W., bet. secs. 5 and 32.

Over rolling land, draining NW.

1.30 Small wash, drains NW.; desc. 10 ft. over NW. slope.

5.50 Trail road, bears NW. and SE.

7.30 Wash, 40 lks. wide, 2 ft. deep, drains N. 30° W.; desc. 30 ft. over rolling NW. slope.

23.90 Bladed road, bears N. 10° E. and S. 10° W.; desc. 40 ft. over rolling NW. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 5 and 32.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground and in a collar of stone, with brass cap mkd.

T17S R17W

 $\frac{1}{4}$ $\frac{S32}{S5}$

T18S
1959

T17S R17W.

Chains

Desc. 80 ft. over rolling NW. slope.

80.00

Point for the cor. of secs. 5, 6, 31 and 32.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T17S R17W

S31 S32

S 6 S 5

T18S

1959

Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor.

Land, rolling.

Soil, sandy loam, gravel, and clay.

Timber, none.

S. 89° 59' W., bet. secs. 6 and 31.

Over rolling land, draining NW.; desc. 20 ft.

10.40

Wash, 30 lks. wide, 3 ft. deep, drains N. 30° W.; thence along rolling N. slope.

35.50

Slope changes to rolling NW. slope; desc. 10 ft.

40.00

Point for the ¼ sec. cor. of secs. 6 and 31.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T17S R17W

¼ S31

S 6

T18S

1959

Raise a mound of stone, 2½ ft. base, 2 ft. high, N. of cor.

Desc. 20 ft. over rolling NW. slope.

42.90

Right bank of wash, bears N. 30° W. and S. 30° E.

47.30

Wash, 80 lks. wide, 3 ft. deep, drains N. 30° W.

51.50

Left bank of wash, bears N. 40° W. and S. 30° E.; desc. 20 ft. over rolling NW. slope.

73.60

Small wash, drains NW.

75.70

Graded gravel road, bears NE. and SW.

80.00

Point for the 1/16 sec. cor. of secs. 6 and 31.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T17S R17W

1/16 S31 80

S 6

T18S

1959

Raise a mound of stone, 2½ ft. base, 2 ft. high, N. of cor.

Survey, N. T. 18 S.

Chains

ended)

Desc. 10 ft. over gradual NW. slope. 11 08. 222

96.97

The cor. of Tps. 17 and 18 S., R. 17 W., an iron post, $2\frac{1}{2}$ ins. diam., set, mkd. and witnessed as described in the concurrent field notes of the independent resurvey of T. 18 S., R. 18 W.

From this point the cor. of Tps. 17 and 18 S., R. 18 W. bears N. $0^{\circ}10'$ W., 2.90 chs. dist., also described in the field notes of T. 18 S., R. 18 W. Land, sandy loam, gravel and clay.

Land, rolling.

Soil, sandy loam, gravel and clay.

Timber, none.

Survey, Portion of the Subdivision of T. 18 S., R. 17 W.

From the cor. of secs. 1, 2, 35 and 36 on the S. bdy. of the Tp., an iron post, $2\frac{1}{2}$ ins. diam., set, mkd. and witnessed as described in the field notes of the survey of T. 19 S., R. 17 W.

N. $0^{\circ}01'$ W., bet. secs. 35 and 36.

Over broken mountainous land, through medium dense timber; asc. 740 feet over steep S. slope.

24.50

Spur, bears S. 80° W.; asc. 30 ft. over SW. slope.

29.30

Top of ascent on W. slope; desc. 40 ft. over NW. slope.

36.30

Base of descent on W. slope; asc. 50 ft. over SW. slope.

39.72

Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 35 and 36.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground to bedrock and in a mound of stone to top, $3\frac{1}{2}$ ft. base, with brass cap mkd.

T18S R17W

W C

S35 S36

1959

40.00

True point for the $\frac{1}{4}$ sec. cor. of secs. 35 and 36 falls on vertical ledge where cor. cannot be perpetuated.

Asc. 100 ft. over broken SW. slope.

42.10

Top of ledge, 60 ft. high, bears NW. and SE.; asc. 50 ft. over SE. slope.

46.80

Ridge, bears NW. and SE.; desc. 80 ft. over NE. slope.

52.30

Head of ravine, drains NE.; asc. 70 ft. over SE. slope.

65.90

Same ridge, bears S. 30° W. and NE.; desc. 450 ft. over steep and broken NW. slope.

80.00

Point for the cor. of secs. 25, 26, 35 and 36.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 12 ins. in the ground to bedrock and in a mound of stone, to top, 3 ft. base, with brass cap mkd.

T18S R17W

S26 S25

S35 S36

1959

Land, broken, mountainous.

Soil, clay and exposed limestone.

Survey, Portion of Subdivision, T. 18 S., R. 17 W.

Chains

From the cor. of secs. 25, 30, 31 and 36 on the E. bdy. of the Tp., an iron post, 2½ ins. diam., hereinbefore described.

S. 89° 58' W., bet. secs. 25 and 36.

Over broken mountainous land, through medium dense timber; desc. 60 ft. over W. slope.

6.00 Ravine, drains S. 20° W.; asc. 350 ft. over steep SE. slope.

33.00 Top of ascent, ledge, 50 ft. high, bears N. and S.; desc. 130 ft. over steep W. slope.

40.00 Point for the ¼ sec. cor. of secs. 25 and 36.

Set an iron post, 30 ins. long, 2½ ins. diam., 15 ins. in the ground to bedrock and in a mound of stone to top, 3 ft. base, with brass cap mkd.

T18S R17W

½ S25

½ S36

1959

Desc. 100 ft. over W. slope.

47.00 Wash, 20 lks. wide, 3 ft. deep, drains NW.; thence along N. slope.

52.50 Ravine, drains N.; asc. 210 ft. over NE. slope.

63.70 Slope changes to N. slope.

70.00 Spur, slopes sharply N.; desc. 170 ft. over NW. slope.

80.00 The cor. of secs. 25, 26, 35 and 36.

Land, broken, mountainous.

Soil, clay, sandy loam and exposed limestone.

Timber, medium dense pinon and juniper.

From the cor. of secs. 3, 4, 33 and 34 on the S. bdy. of the Tp., an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the field notes of the concurrent survey of T. 18 S., R. 17 W.

N. 0° 02' W., bet. secs. 33 and 34.

Over rolling mountainous land, through scattered timber; along E. slope.

3.40 Spur, bears NE.; desc. 90 ft. over NW. slope.

19.50 Small wash, drains NW.; asc. 15 ft. over SW. slope.

24.20 Small spur, bears SW.; desc. 20 ft. over NW. slope.

26.80 Graded road, bears E. and W.

28.50 Wash, 60 lks. wide, 3 ft. deep, drains SW.; asc. 110 ft. over steep SE. slope.

36.20 Thence along E. slope.

40.00 Point for the ¼ sec. cor. of secs. 33 and 34.

Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground to bedrock and in a mound of stone to top, 3½ ft. base, with brass cap mkd.

Survey, Portion of Subdivision, T. 18 S. R. 17 W.

Chains

T18S R17W

S33|S34

1959

Cont. along E. slope.

42.00 Ravine, drains SE.; asc. 200 ft. over SW. slope.

54.50 Top of ascent on W. slope; desc. 170 ft. over NW. slope.

61.90 Ravine, drains W.; asc. 25 ft. over SW. slope.

66.70 Spur, bears W.; desc. 40 ft. over NW. slope.

68.70 Ravine drains W.; asc. 30 ft. over SW. slope.

72.70 Spur, bears W.; desc. 60 ft. over NW. slope.

80.00 Point for the cor. of secs. 27, 28, 33 and 34.

Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to bedrock and in a mound of stone to top, 3½ ft. base, with brass cap mkd.

T18S R17W

S28|S27

S33|S34

1959

Land, rolling and broken, mountainous.
Soil, clay, sandy loam, and exposed limestone.
Timber, scattered juniper.

N. 0° 02' W., bet. secs. 27 and 28.

Over broken mountainous land, through scattered timber; desc. 25 ft. over NW. slope.

2.10 Ravine, drains SW.; asc. 40 ft. over SW. slope.

5.00 Spur, slopes S. 70° W.; desc. 100 ft. over N. slope.

12.60 Ravine, drains W.; asc. 120 ft. over SW. slope.

20.00 Spur, bears W.; desc. 30 ft. over NW. slope.

22.50 Ravine, drains N. 80° W.; asc. 10 ft. over SW. slope.

25.50 Spur, bears W.; desc. 40 ft. over NW. slope.

28.40 Ravine, drains W.; asc. 30 ft. over SW. slope.

34.60 Spur, bears W.; desc. 100 ft. over NW. slope.

40.00 Point for the ¼ sec. cor. of secs. 27 and 28.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T18S R17W

S28|S27

1959

Raise a mound of stone, 2½ ft. base. 2 ft. high, W. of cor.

Survey, Portion of Subdivision, T. 18 S., R. 17 W.

- Chains
- 40.40 Wash, 20 lks. wide, 2 ft. deep, drains N. 70° W.; asc. 40 ft. over SW. slope.
- 45.70 Spur, bears W.; desc. 70 ft. over NW. slope.
- 50.40 Wash, 20 lks. wide, 2 ft. deep, drains N. 80° W.; asc. 30 ft. over rolling SW. slope.
- 60.90 Spur, bears W.; desc. 20 ft. over N. slope.
- 62.50 Wash, 40 lks. wide, 4 ft. deep, drains W.; asc. 50 ft. over S. slope.
- 67.80 Spur, bears S. 80° W.; desc. 100 ft. over NW. slope.
- 75.40 Wash, 30 lks. wide, 1 ft. deep, drains W.; asc. 40 ft. over SW. slope.
- 80.00 Point for the cor. of secs. 21, 22, 27 and 28.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T18S R17W

S21|S22

S28|S27

1959

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

Land, broken and rolling.

Soil, clay, sandy loam and exposed limestone.

Timber, scattered juniper.

N. 0° 02' W., bet. secs. 21 and 22.

Over broken mountainous land, through scattered timber; asc. 10 ft. over SW. slope.

- 3.90 Spur, bears NW.; desc. 100 ft. over N. slope.
- 9.90 Wash, 10 lks. wide, 3 ft. deep, drains N. 70° W.; asc. 30 ft. over SW. slope.
- 12.60 Spur, bears N. 60° W.; desc. 50 ft. over NW. slope.
- 15.70 Small wash, drains N. 80° W.; asc. 10 ft. over SW. slope.
- 17.20 W. end of spur, bears W.; desc. 10 ft. over NW. slope.
- 18.20 Small wash, drains SW.; asc. 70 ft. over S. slope.
- 22.80 Spur, bears W.; thence over rolling land, draining W.
- 30.10 Begin descent over NW. slope; desc. 70 ft.
- 36.10 Wash, 20 lks. wide, 3 ft. deep, drains N. 70° W.; thence over rolling W. slope.
- 40.00 Point for the ¼ sec. cor. of secs. 21 and 22.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T18S R17W

S21|S22

1959

Portion of Subdivision, T. 18 S., R. 17 W.

Chains

- Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
 Desc. 20 ft. over NW. slope.
- 42.90 Small wash, drains N. 80° W.; asc. 30 ft. over SW. slope.
- 50.30 Small wash, drains S. 80° W.; asc. 40 ft. over rolling SW. slope.
- 65.00 Low spur, bears W.; desc. 10 ft. over NW. slope.
- 66.20 Wash, 10 lks. wide, 4 ft. deep, drains N. 80° W.; asc. 10 ft. over SW. slope.
- 68.80 Top of ascent on W. slope; desc. 30 ft. over NW. slope.
- 71.30 Wash, 20 lks. wide, 1 ft. deep, drains W.; asc. 70 ft. over S. slope.
- 75.50 Spur, bears W.; desc. 60 ft. over NW. slope.
- 79.20 Small wash, drains W.; thence over rolling W. slope.
- 80.00 Point for the cor. of secs. 15, 16, 21 and 22.
- Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground to bedrock and in a mound of stone to top, 3 ft. base, with brass cap mkd.

T18S R17W

S16|S15S21|S22

1959

Land, broken and rolling, mountainous.
 Soil, clay, sandy loam, and exposed limestone,
 Timber, scattered juniper.

N. 0° 02' W., bet. secs. 15 and 16.

Over rolling land, draining W., through scattered timber.

- 6.00 Wash, 20 lks. wide, 2 ft. deep, drains W.; asc. 20 ft. over SW. slope.
- 14.40 Wash, 10 lks. wide, 3 ft. deep, drains S. 80° W.; asc. 20 ft. over rolling SW. slope.
- 24.70 Low spur, bears N. 80° W.
- 25.40 Wash, 10 lks. wide, 3 ft. deep, drains N. 80° W.; desc. 40 ft. over NW. slope.
- 40.00 Point for the ¼ sec. cor. of secs. 15 and 16.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T18S R17W

S16|S15

1959

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

- 41.20 Small wash, drains N. 70° W.; desc. 40 ft. over NW. slope.
- 49.00 Wash, 40 lks. wide, 2 ft. deep, drains W.; asc. 10 ft. over rolling SW. slope.

Survey, Portion of Subdivision, T. 18 S., R. 17 W.

Chains

- 54.20 Small wash, drains S. 70° W.
- 57.00 Low ridge, bears S. 80° W.; desc. 20 ft. over rolling NW. slope.
- 65.00 Wash, 10 lks. wide, 3 ft. deep, drains N. 70° W.; desc. 30 ft. over rolling NW. slope.
- 80.00 Point for the cor. of secs. 9, 10, 15 and 16.
- Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T18S R17W

S 9|S10

S16|S15

1959

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

Land, rolling, draining W.

Soil, sandy loam, gravel and clay.

Timber, scattered juniper.

N. 0° 02' W., bet. secs. 9 and 10.

Over rolling land, draining NW.; through scattered timber; desc. 70 ft.

- 11.80 Wash, 10 lks. wide, 3 ft. deep, drains NW.; desc. 10 ft. over NW. slope.
- 16.50 Wash, 30 lks. wide, 2 ft. deep, drains N. 80° W.; desc. 30 ft. over rolling NW. slope.
- 27.50 Trail road, bears SW. and N. 10° E.; desc. 30 ft. over rolling NW. slope.
- 36.00 Same road, bears NW. and S. 10° E.
- 38.00 Same road, bears NE. and SW.
- 40.00 Point for the ¼ sec. cor. of secs. 9 and 10.

Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground and in a collar of stone, with brass cap mkd.

T18S R17W

S 9|S10

1959

Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor.

- 40.80 Wash, 20 lks. wide, 2 ft. deep, drains NW.; desc. 10 ft. over NW. slope.
- 45.80 Wash, 30 lks. wide, 2 ft. deep, drains N. 70° W.; desc. 130 ft. over rolling NW. slope.
- 78.40 Wash, 10 lks. wide, 2 ft. deep, drains NW.
- 80.00 Point for the cor. of secs. 3, 4, 9 and 10.
- Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground and in a collar of stone, with brass cap mkd.

Portion of Subdivision, T. 18 S., R. 17 W.

Chase

T18S R17W

S 4 | S 3

S 9 | S10

1959

Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.

Land, rolling.

Soil, sandy loam and gravel.

Timber, scattered juniper.

N. $0^{\circ} 03'$ W., bet. secs. 3 and 4.

Over rolling land, through scattered timber.

.50 Wash, 10 lks. wide, 2 ft. deep, drains N. 80° W.; thence along rolling W. slope.

8.50 Trail road, bears E. and W.

9.20 Wash, 50 lks. wide, 2 ft. deep, drains W.

15.40 Wash, 20 lks. wide, 1 ft. deep, drains SE.; asc. 210 ft. over SE. slope.

31.90 Ridge, bears SW.; desc. 110 ft. over NW. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 3 and 4.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T18S R17W

$\frac{1}{4}$

S 4 | S 3

1959

Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.

Desc. 10 ft. over NW. slope.

42.30 Spur, bears N. 80° W.; desc. 50 ft. over NW. slope.

48.40 Small wash, drains N. 80° W.; asc. 70 ft. over S. slope.

50.40 Top of ascent on W. slope; thence along W. slope.

57.60 Begin descent over N. slope; desc. 140 ft.

80.01 The cor. of secs. 3, 4, 33 and 34 on the N. bdy. of the Tp., an iron post, $2\frac{1}{2}$ ins. diam., hereinbefore described.

Land, rolling.

Soil, sandy loam, clay and exposed limestone.

Timber, scattered juniper.

From the cor. of secs. 2, 3, 34 and 35 on the N. bdy. of the Tp., an iron post, $2\frac{1}{2}$ ins. diam., hereinbefore described.

S. $0^{\circ} 01'$ E., bet. secs. 2 and 3.

Over rolling land, draining NW., through scattered timber; desc. 10 ft. over SW. slope.

2.50 Wash, 10 lks. wide, 2 ft. deep, drains N. 30° W.; asc. 80 ft. over N. slope.

Portion of T. 18 S. R. 17 W.

Chains	
16.00	Low spur, bears NW.; desc. 10 ft. over SW. slope.
18.30	Wash, 20 lks. wide, 1 ft. deep, drains NW.; asc. 20 ft. over N. slope.
21.60	Low spur, bears NW.; desc. 10 ft. over SW. slope.
23.80	Wash, 30 lks. wide, 4 ft. deep, drains NW.; asc. 20 ft. over N. slope.
26.70	Spur, bears N. 30° W.; desc. 10 ft. over SW. slope.
31.70	Small wash, drains N. 30° W.; asc. 80 ft. over N. slope.
39.30	Spur, bears NE.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 3.
	Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to bedrock and in a mound of stone to top, 3 ft. base, with brass cap mkd.

T18S R17W

S 3 | S 2
1959

Asc. 65 ft. over NE. slope.

49.50	Spur, bears NW.; desc. 30 ft. over SW. slope.
51.70	Wash, 20 lks. wide, 2 ft. deep, drains N. 80° W.; asc. 130 ft. over N. slope.
59.00	Spur, bears N. 10° W.; desc. 80 ft. over SW. slope.
68.50	Wash, 20 lks. wide, 2 ft. deep, drains N. 20° W.; asc. 170 ft. over NE. slope.
76.60	Spur, bears NW.; desc. 30 ft. over SW. slope.
79.70	Head of ravine, drains W.; asc. 10 ft. over NW. slope.
80.00	Point for the cor. of secs. 2, 3, 10 and 11.

Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to bedrock and in a mound of stone to top, 3½ ft. base, with brass cap mkd.

T18S R17W

S 3 | S 2
S10 | S11
1959

Land, rolling and broken.

Soil, sandy loam, clay and exposed limestone.

Timber, scattered juniper.

From the cor. of secs. 2, 3, 10 and 11.

N. 89° 59' E., bet. secs. 2 and 11 on a theoretical parallel connecting the cor. of secs. 1, 6, 7 and 12 on the E. bdy. and the cor. of secs. 3, 4, 9 and 10 as specified in the special instructions.

Over broken mountainous land, through scattered timber; asc. 80 ft. over W. slope.

3.10	Spur, bears NW.; desc. 90 ft. over steep NE. slope.
6.90	Wash, 20 lks. wide, 2 ft. deep, drains NW.; asc. 150 ft. over steep NW. slope.

Portion of Subdivision T. 18S R. 17W

Chains	
14.70	Spur, bears N. 20° W.; desc. 100 ft. over steep E. slope.
20.60	Wash, 30 lks. wide, 2 ft. deep, drains N.; asc. 90 ft. over W. slope.
25.50	Spur, slopes N. 80° W.; asc. 250 ft. over steep NW. slope.
39.80	Spur, bears NW.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 11. Set an iron post, 30 ins. long, 2½ ins. diam., 15 ins. in the ground, to bedrock and in a mound of stone to top, 3½ ft. base, with brass mkd.
	T18S R17W $\frac{1}{4}$ S 2 S11 1959
	Asc. 120 ft. over NW. slope.
48.00	Ridge, bears N.; desc. 150 ft. over E. slope.
50.40	Ravine, drains N. 20° E.; asc. 20 ft. over NW. slope.
56.80	Spur, bears NE.; desc. 80 ft. over SE. slope.
61.30	Small wash, drains NE.; asc. 10 ft. over NW. slope.
67.00	Small spur, bears NE.; desc. 30 ft. over SE. slope.
69.50	Wash, 10 lks. wide, 2 ft. deep, drains N. 10° E.; asc. 10 ft. over NW. slope.
72.40	Spur, bears N.; desc. 35 ft. over NE. slope.
77.10	Wash, 10 lks. wide, 3 ft. deep, drains N. 10° E.; asc. 10 ft. over W. slope.
79.50	Spur, bears N. 20° E.
80.00	Point for the cor. of secs. 1, 2, 11 and 12. Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground to bedrock and in a mound of stone to top, 3 ft. base, with brass cap mkd.
	T18S R17W S 2 S 1 S11 S12 1959
	Land, broken, mountainous. Soil, clay, exposed limestone and sandy loam. Timber, scattered juniper.
	From the cor. of secs. 1, 2, 11 and 12.
	N. 0° 04' W.; bet. secs. 1 and 2.
	Over rolling mountainous land, through scattering timber.
.70	Spur, bears N. 20° E.; desc. 40 ft. over NW. slope.
3.60	Wash, 10 lks. wide, 2 ft. deep, drains NE.; asc. 50 ft. over SE. slope.
8.70	Top of ascent on E. slope; desc. 40 ft. over NE. slope.

of T. 18 S. R. 17 W.

Chains

- 16.20 Spur, bears NE.; desc. 70 ft. over NW. slope.
- 21.10 Wash, 20 lks. wide, 2 ft. deep, drains NE.; asc. 40 ft. over SE.slope.
- 24.50 Spur, bears N. 80° E.; desc. 30 ft. over N. slope.
- 26.60 Small wash, drains N. 80° E.; asc. 40 ft. over S. slope.
- 29.50 Spur, bears NE.; desc. 110 ft. over NE. slope.
- 37.90 Wash, 10 lks. wide, 1 ft. deep, drains NE.; asc. 30 ft. over SE.slope.
- 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 1 and 2.
- Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 4 ins. in the ground to bedrock and in a mound of stone to top, $3\frac{1}{2}$ ft. base, with brass cap mkd.
- T18S R17W
 $\frac{1}{4}$
 S 2 | S 1
 1959
- 41.00 Spur, bears NE.; desc. 130 ft, over NE. slope.
- 54.10 Wash, 10 lks. wide, 2 ft. deep, drains NE.; asc. 45 ft. over SE.slope.
- 58.00 Top of ascent on E. slope; desc. 70 ft. over rolling NE. slope.
- 65.00 Small wash, drains NE.; desc. 70 ft. over rolling NE. slope.
- 80.00 The cor. of secs. 1, 2, 35 and 36 on the N. bdy. of the Tp., hereinbefore described.
- Land, rolling.
 Soil, sandy loam, clay and exposed limestone.
 Timber, scattered juniper and pinon.

From the cor. of secs. 15, 16, 21 and 22.

S. 89° 58' W., bet. secs. 16 and 21.

Over rolling land, draining W. through scattered timber; desc. 120 ft.

- 16.60 Small wash, drains SW.; desc. 60 ft. over rolling W. slope.
- 30.70 Trail road, bears N. 20° E. and S. 20° W.; desc. 40 ft. over rolling W. slope.
- 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 16 and 21.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 14 ins. in the ground to bedrock and in a mound of stone to top, 3 ft. base, with brass cap mkd.

T18S R17W

$\frac{1}{4}$ S16
 S21
 1959

Desc. 180 ft. over rolling W. slope.

- 79.10 Small wash, drains NW.
- 80.00 Point for the cor. of secs. 16, 17, 20 and 21.

Portion of Subdivision T. 18 N. 17 E.

Chains

Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground to bedrock and in a mound of stone to top, 3½ ft. base, with brass cap mkd.

T18S R17W

S17|S16

S20|S21

1959

Land, rolling, draining W.

Soil, sandy loam and clay.

Timber, scattered juniper.

N. 0° 03' W., bet. secs. 16 and 17.

Over rolling land, draining W., through scattered timber.

.50 Small wash, drains N. 80° W.

4.90 Small wash, drains W.

10.90 Small wash, drains N. 80° W.

33.60 Small wash, drains W.

35.40 Wash, 20 lks. wide, 2 ft. deep, drains N. 80° W.

37.40 Small wash, drains S. 70° W.

40.00 Point for the ¼ sec. cor. of secs. 16 and 17.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T18S R17W

¼

S17|S16

1959

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

Cont. over rolling land, draining W.

40.10 Trail road, bears N. 80° E. and S. 80° W.

40.90 Small wash, drains N. 70° W.

48.30 Wash, 30 lks. wide, 2 ft. deep, drains W.

54.60 Wash, 30 lks. wide, 1 ft. deep, drains N. 80° W.

70.40 Small wash, drains N. 80° W.

79.60 Wash, 20 lks. wide, 3 ft. deep, drains N. 60° W.

80.00 Point for the cor. of secs. 8, 9, 16 and 17.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T18S R17W

S 8|S 9

S17|S16

1959

Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor.

Survey, Portion of Subdivision, T. 18 S., R. 17 W.

Chains

Land, rolling NW. slope.
Soil, sandy loam, gravel and clay.
Timber, scattered juniper.

From the cor. of secs. 9, 10, 15 and 16.

S. 89° 57' W., bet. secs. 9 and 16.

Over rolling land, draining NW., through scattered timber; desc. 20 ft.

4.00 Small wash, drains NW.; desc. 20 ft. over rolling NW. slope.

7.60 Trail road, bears N. 20° E. and curving NW.; desc. 20 ft. over rolling NW. slope.

12.40 Same road, bears S. and curving SE.

13.90 Wash, 10 lks. wide, 3 ft. deep, drains NW.; desc. 30 ft. over rolling NW. slope.

19.70 Small wash, drains NW.; desc. 80 ft. over rolling NW. slope.

31.90 Small wash, drains NW.; desc. 40 ft. over rolling NW. slope.

39.40 Small wash, drains NW.

40.01 Point for the $\frac{1}{4}$ sec. cor. of secs. 9 and 16.

Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground to bedrock and in a mound of stone to top, 3 ft. base, with brass cap mkd.

T18S R17W

$\frac{1}{4}$ S 9
S16
1959

Desc. 70 ft. over rolling NW. slope.

51.00 Wash, 30 lks. wide, 2 ft. deep, drains NW.; desc. 80 ft. over rolling NW. slope.

80.02 The cor. of secs. 8, 9, 16 and 17.

Land, rolling NW. slope.
Soil, sandy loam, gravel and clay.
Timber, scattered juniper.

From the cor. of secs. 4, 5, 32 and 33 on the S. bdy. of the Tp., an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the field notes of the concurrent survey of T. 19 S., R. 17 W.

N. 0° 03' W., bet. secs. 32 and 33.

Over mountainous land, through scattered timber; desc. 70 ft. over NW. slope.

3.60 Ravine, drains W.; asc. 40 ft. over SW. slope.

8.50 Spur, bears W.; desc. 70 ft. over N. slope.

12.90 Ravine, drains N. 30° E.; thence along E. slope.

18.20 Spur, bears N. 30° E.; desc. 30 ft. over NW. slope.

Portion of Subdivision T. 18 S., R. 17 W.

Chains	
22.70	Spur, bears N. 30° E.; desc. 70 ft. over NW. slope.
30.10	Wash, 30 lks. wide, 2 ft. deep, drains NE.
30.60	Trail road, bears SW. and NE.; asc. 10 ft. over SE. slope.
34.50	Spur, bears E.; desc. 10 ft. over NE. slope.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 32 and 33.
	Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.
	T18S R17W
	$\frac{1}{4}$
	S32 S33
	1959
	Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
	Desc. 20 ft. over NE. slope.
45.00	Small wash, drains N. 70° E.; asc. 20 ft. over SE. slope.
53.60	Spur, bears N. 80° E.; desc. 20 ft. over N. slope.
57.50	Wash, 20 lks. wide, 1 ft. deep, drains N. 80° E.; asc. 20 ft. over S. slope.
58.90	Spur, bears N. 70° E.; desc. 40 ft. over rolling NW. slope.
71.60	Small wash, drains N. 60° E.; asc. 25 ft. over SE. slope.
75.70	Small spur, bears N. 60° E.; desc. 10 ft. over NW. slope.
80.00	Point for the cor. of secs. 28, 29, 32 and 33.
	Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.
	T18S R17W
	S29 S28
	S32 S33
	1959
	Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.
	Land, rolling, mountainous.
	Soil, clay, sandy loam and exposed limestone.
	Timber, scattered juniper and pinon.
<hr/>	
	From the cor. of secs. 5, 6, 31 and 32 on the S. bdy. of the Tp., an iron post, $2\frac{1}{2}$ ins. diam., set, mkd. and witnessed as described in the field notes of the concurrent survey of T. 19 S., R. 17 W.
	N. 0° 03' W., bet. secs. 31 and 32.
	Over broken mountainous land, through scattered timber; asc. 20 ft. over S. slope.
1.70	Spur, bears E.; desc. 20 ft. over N. slope.
4.70	Ravine, drains E.; asc. 30 ft. over S. slope.
8.00	Spur, bears S. 70° E.; desc. 10 ft. over NE. slope.
10.50	Small ravine, drains E.; asc. 50 ft. over SE. slope.

Survey, Portion of Subdivision, T. 18 S., R. 17 W.

Chains	
13.80	Spur, bears S. 80° E.; desc. 15 ft. over NE. slope.
15.20	Ravine, drains S. 60° E.; asc. 100 ft. over S. slope.
19.00	Spur, bears SE.; desc. 10 ft. over NE. slope.
22.00	Small ravine, drains SE.; asc. 100 ft. over SE. slope.
26.50	Spur, bears E.; desc. 130 ft. over NE. slope.
32.70	Ravine, drains E.; asc. 70 ft. over SE. slope.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 31 and 32. Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground to bedrock and in a mound of stone to top, 3 ft. base, with brass cap mkd. T18S R17W S31 S32 1959 Asc. 60 ft. over SE. slope.
43.00	Spur, bears E.; desc. 120 ft. over NE. slope.
50.80	Ravine, drains E.; asc. 40 ft. over SE. slope.
57.60	Ridge, bears NE. and SW.; desc. 70 ft. over NW. slope.
61.60	Head of ravine, drains W.; asc. 10 ft. over SW. slope.
64.40	Spur, bears W.; desc. 60 ft. over NW. slope.
66.90	Ravine, drains W.; asc. 10 ft. over SW. slope.
69.70	Small spur, bears W.; desc. 40 ft. over NW. slope.
72.70	Ravine, drains S. 80° W.; asc. 90 ft. over SE. slope.
80.00	Point for the cor. of secs. 29, 30, 31 and 32. Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd. T18S R17W S30 S29 S31 S32 1959 Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor. Land, broken, mountainous. Soil, sandy loam, clay, and exposed limestone. Timber, scattered juniper.
	From the cor. of secs. 28, 29, 32 and 33. S. 89° 58' W., bet. secs. 29 and 32. Over broken mountainous land, through scattered timber; asc. 300 ft. over E. slope.
15.70	Ridge, bears N. 20° E.; desc. 190 ft. over W. slope.
25.70	Wash, 20 lks. wide, 4 ft. deep, drains N.; asc. 130 ft. over NE. slope.

of Subdivision T. 18 N. R. 17 W.

Chains

- 35.00 Spur, bears SE.; asc. 20 ft. over SE. slope.
- 39.98 Point for the $\frac{1}{4}$ sec. cor. of secs. 29 and 32.
- Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 12 ins. in the ground to bedrock and in a mound of stone to top, 3 $\frac{1}{2}$ ft. base, with brass cap mkd.
- T18S R17W
- S29
- S32
- 1959
- Asc. 210 ft. over SE. slope.
- 53.30 Small spur, bears SE.; desc. 10 ft. over SW. slope.
- 57.80 Ravine, drains SE.; asc. 200 ft. over NE. slope.
- 68.80 Ridge, bears N.; desc. 130 ft. over NW. slope.
- 78.80 Spur, bears N. 80° W.; desc. 20 ft. over SW. slope.
- 79.96 The cor. of secs. 29, 30, 31 and 32.

Land, broken, mountainous.
Soil, clay, sandy loam and exposed limestone.
Timber, scattered juniper.

General Description

The land within this township is broken and rolling mountainous land, with the mountain range dividing the drainage into the valleys. The elevation varies from 8100 feet above sea level, on the high ridges, to 4900 feet above sea level, on the rolling desert.

The soil varies from clay and exposed limestone on the mountains to sandy loam and gravel on the desert.

The timber is composed of pinon and juniper on the higher elevation, of little commercial value.

Principal users of the area are sheepmen and access into the township is provided by desert roads. A graded gravel road enters the township on the north boundary of section 6 and leaves on the west boundary of section 6.

No mineral formations of consequence were noted during the survey.

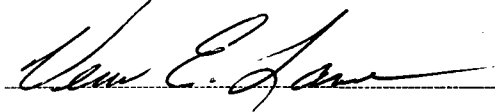
CERTIFICATE OF CADASTRAL ENGINEER

I, Vern E. Lane, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 4th day of August, 1954, I have ~~surveyed~~ supervised the survey of the east and north boundaries and a portion of the subdivision of T. 18 S., R. 17 W.

of the Salt Lake Meridian, in the State of Utah, which are under my supervision represented in the foregoing field notes as having been executed ~~by me and under my direction~~; and that said survey has been made in strict conformity with said instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

Salt Lake City, Utah

April 12, 1960



Vern E. Lane - Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., NOV 25 1960, 1960

The foregoing field notes of the survey of the east and north boundaries and a portion of the subdivision of T. 18 S., R. 17 W., Salt Lake Meridian, Utah

executed by Lacel E. Bland, Cadastral Surveyor, under the supervision of Vern E. Lane, Cadastral Surveyor

having been critically examined and found correct, are hereby approved.



Clark F. Gamm
Acting Cadastral Engineering Staff Officer.

CERTIFICATE OF TRANSCRIPT

~~I CERTIFY~~ that the foregoing transcript of the original field notes is a true copy of the original field notes.

Chains

T. 18 South, Range 18 West

The Snake Valley Guide Meridian, (east boundary), north, west and south boundaries were surveyed by A. J. Stewart Jr. in 1882 and 1883. The north boundary was resurveyed by R. E. L. Collier in 1895.

The following field notes are those of the Independent Resurvey of the Snake Valley Guide Meridian along the east boundary; the Dependent Resurvey of the north and west boundaries, with the establishment of new corners pertaining to the west boundary; and the Survey of a portion of the subdivision of T. 18 S., R. 18 W., deemed sufficient to facilitate the development of the natural resources and mark the boundaries of those sections that are normally considered state school sections.

The survey was executed with a W. & L. E. Gurley Solar Transit, serial No. 580515, constructed in accordance with the standard instrumental specifications of the Bureau of Land Management. The instrument was in good condition prior to the beginning of the survey and was maintained in proper adjustment throughout the progress of the survey.

Corners on the east-west lines were set on the true latitudinal curve. Lines connecting previously established corners were run by random and true method, but for simplification of the record the random lines are omitted from the field notes. In accordance with the intent of the special instructions, all subdivisional corners established are calculated to be at the position they would occupy if the entire township were subdivided.

Before restoring corners, the lines of the original survey were retraced, and diligent search made for evidence of the original corners, bearing trees, and other calls of the original field notes record. When duly identified the corner positions were remonumented.

The rules of proportionate measurement were applied in order to ascertain the position of lost corners, after completing the necessary retracements to connect with the identified corner locations, but not until exhausting every reasonable possibility of finding direct evidence for the control of each particular corner.

Measurements herein were made with a narrow steel tape, 8 chains in length, graduated every link for the first 100 links and thereafter at intervals of 10 links. The tape was tested by comparison with a 1 chain standard steel tape and found to be correct. Measurements were made on the slope with the vertical angle of each interval ascertained by a clinometer in good adjustment; horizontal equivalents alone are entered in the field notes. All lines of this survey were run by direct method where the lines were accessible; lines inaccessible were run by traverse or triangulation methods. Distances to topography on lines run by traverse or triangulation are approximately as scaled from U. S. G. S. topographic sheets. The details of such traverses or triangulations have been thoroughly checked and verified, and in order to simplify the record the diagrams and reductions are omitted from these field notes.

The direction of the lines of this survey were determined by reference to true meridians established on line by hour angle observations on Polaris or altitude observations on the sun. The lines were carried forward by sustained angulation being supplemented by other numerous altitude observations on the sun taken throughout the progress of the survey.

The geographic position for the southeast corner of the township is at a latitude $39^{\circ} 11' 30.5''$ N. and longitude $113^{\circ} 48' 42.6''$ W. as adjusted from traverses to U. S. G. S. triangulation stations within the area.

INDEX DIAGRAM

Township 18 South, Range 18 West
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17 18	17	29 16 28	24 15	14	18	6
16 19	20	21	23 22	23	24	4
15 20	29 32	28	22 27	26	25 21	3
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T. 18 S., R. 18 W.

Chains

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Measurements herein were made with a narrow steel tape, 8 chains in length, graduated every link for the first 100 links and thereafter at intervals of 10 links. The tape was tested by comparison with a 1 chain standard steel tape and found to be correct. Measurements were made on the slope with the vertical angle of each interval ascertained by a clinometer in good adjustment; horizontal equivalents alone are entered in the field notes. All lines of this survey were run by direct method where the lines were accessible; lines inaccessible were run by traverse or triangulation methods. Distances to topography on lines run by traverse or triangulation are approximately as scaled from U. S. G. S. topographic sheets. The details of such traverses or triangulations have been thoroughly checked and verified, and in order to simplify the record the diagrams and reductions are omitted from these field notes.

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18 South 18 West

Chains

The magnetic declination was read at a number of stations throughout the township and the average of these readings was found to be 16° 30' E.

Independent Resurvey of the Snake Valley Guide Meridian, Along the East Boundary of T. 18 S., R. 18 W., Superseding the Survey executed by A. J. Stewart Jr. in 1882.

Beginning at the cor. of Ts. 18 and 19 S., R. 18 W., an iron post, 2½ ins. diam., set, mkd., and witnessed as described in the field notes of the concurrent resurvey of T. 19 S., R. 18 W.

N. 0° 10' W., on the E. bdy. of sec. 36.

Over rolling land, through scattered timber.

3.33 Point for the cor. of Ts. 18 and 19 S., R. 17 W.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T18S
R18W R17W
S36 | S31
 | S 6
 1959

Raise a mound of stone, 2½ ft. base, 2 ft. high, E. of cor.

5.90 Wash, 20 lks. wide, 2 ft. deep, drains W.; thence over rolling land, draining W.

10.00 Trail road, bears E. and W.

30.30 Wash, 30 lks. wide, 2 ft. deep, drains N. 80° W.

33.80 Wash, 30 lks. wide, 2 ft. deep, drains W.

40.00 Point for the ¼ sec. cor. of sec. 36, T. 18 S., R. 18 W.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T18S
R18W R17W
¼ |
S36 |
 1959

Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor.

From this cor., a limestone, 30x26x4 ins., firmly set and plainly mkd., originally set for the ¼ sec. cor. of sec. 31 and 36, bears N. 41° 55' W., 30 lks. dist. I destroyed it.

42.90 Wash, 20 lks. wide, 2 ft. deep, drains W.

43.33 Point for the ¼ sec. cor. of sec. 31, T. 18 S., R. 17 W.

Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to bedrock and in a mound of stone to top, 3½ ft. base, with brass cap mkd.

Independent Resurvey, E. Bdy., T. 18 S., R. 18 W.

Chains

T18S
R18W R17W
|
S31
1959

- 46.20 Low spur, projects W.; desc. 10 ft. over N. slope.
- 47.40 Wash, 10 lks. wide, 3 ft. deep, drains W.; desc. 20 ft. over rolling W. slope.
- 54.30 Wash, 30 lks. wide, 3 ft. deep, drains W.
- 71.00 Wash, 30 lks. wide, 1 ft. deep, drains N. 80° W.; desc. 20 ft. over NW. slope.
- 76.40 Wash, 40 lks. wide, 4 ft. deep, drains N. 80° W.
- 80.00 Point for the cor. of secs. 25 and 36, T. 18 S., R. 18 W.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T18S
R18W R17W
S25 | S31
S36 |
1959

Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor.

From this cor., a limestone 14x12x8 ins. firmly set and dimly mkd., originally set for the cor. of secs. 25, 30, 31 and 36, bears N. 14° 04' W., 47 lks. dist. I destroyed it.

Land, rolling.
Soil, gravelly and sandy loam.
Timber, scattered juniper.

N. 0° 10' W., on the E. bdy. of sec. 25.

Over rolling land, through scattered timber; desc. 10 ft. over NW. slope.

- 3.33 Point for the cor. of secs. 30 and 31, T. 18 S., R. 17 W.
- Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T18S
R18W R17W
S25 | S30
| S31
1959

Raise a mound of stone 2½ ft. base, 2 ft. high, E. of cor.

- 7.00 Wash, 20 lks. wide, 2 ft. deep, drains W.; desc. 90 ft. over rolling NW. slope.
- 40.00 Point for the ¼ sec. cor. of sec. 25, T. 18 S., R. 18 W.
- Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

E. 18 S. 24 W. 18 W.

Chains

T18S
R18W R17W
1/4
S25
1959

Raise a mound of stone; 2 1/2 ft. base, 2 ft. high, W. of cor.

No evidence of the original cor. set for the 1/4 sec. cor. of sec. 25 and 30.

40.40 Wash, 20 lks. wide, 1 ft. deep, drains NW.

43.33 Point for the 1/4 sec. cor. of sec. 30, T. 18 S., R. 17 W.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.

T18S
R18W R17W
1/4
S30
1959

Raise a mound of stone, 2 1/2 ft. base, 2 ft. high, E. of cor.

Desc. 60 ft. over rolling NW. slope.

62.70 Wash, 60 lks. wide, 2 ft. deep, drains N. 60° W.; asc. 10 ft. over SE. slope.

72.80 Ridge, bears N. 25° E.; desc. 30 ft. along W. slope.

80.00 Point for the cor. of secs. 24 and 25, T. 18 S., R. 18 W.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.

T18S
R18W R17W
S24
S25 | S30
1959

Raise a mound of stone, 2 1/2 ft. base, 2 ft. high, W. of cor.

From this cor., a limestone 15x8x6 ins. firmly set and plainly mkd., bears N. 12° 55' W., 72 lks. dist., originally set for the cor. of secs. 19, 24, 25 and 30. I destroyed it.

Land, rolling.

Soil, gravelly and sandy.

Timber, scattered juniper.

N. 0° 10' W., on the E. bdy. of sec. 24.

Over rolling land.

2.50 Spur, from ridge, bears NW.

3.33 Point for the cor. of secs. 19 and 30, T. 18 S., R. 17 W.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.

Independent Resurvey, E. Rdy., T. 18 S., R. 18 W.

Chains

T18S
R18W R17W
S24 | S19
 | S30
 1959

Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, E. of cor.

Desc. 30 ft. over NE. slope.

- 8.80 Wash, 50 lks. wide, 2 ft. deep, drains NW.; asc. 20 ft. over S. slope.
- 13.70 Spur, bears N. 20° W.; desc. 70 ft. over NW. slope.
- 26.80 Wash, 20 lks. wide, 2 ft. deep, drains NW.; asc. 10 ft. over SE. slope.
- 33.90 Top of ascent on W. slope; desc. 30 ft. over NW. slope.
- 40.00 Point for the $\frac{1}{4}$ sec. cor. of sec. 24, T. 18 S., R. 18 W.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 16 ins. in the ground to bedrock and in a mound of stone to top, 3 ft. base, with brass cap mkd.

T18S
R18W R17W
 $\frac{1}{4}$
S24 |
 1959

From this cor., a limestone, $10 \times 6 \times 4$ ins., firmly set and plainly mkd., bears N. $4^\circ 40'$ W., 77 lks. dist., originally set for the $\frac{1}{4}$ sec. cor. of sec. 19 and 24. I destroyed it.

- 43.33 Point for the $\frac{1}{4}$ sec. cor. of sec. 19, T. 18 S., R. 17 W.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T18S
R18W R17W
 $\frac{1}{4}$
S19
1959

Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, E. of cor.

Desc. 30 ft. over rolling NW. slope.

- 56.90 Wash, 40 lks. wide, 3 ft. deep, drains NW.; desc. 30 ft. over rolling NW. slope.
- 73.30 Wash, 30 lks. wide, 2 ft. deep, drains N. 70° W.; desc. 10 ft. over NW. slope.
- 80.00 Point for the cor. of secs. 13 and 24, T. 18 S., R. 18 W.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground to bedrock and in a mound of stone to top, $3\frac{1}{2}$ ft. base, with brass cap mkd.

T18S
R18W R17W
S13 | S19
S24 |
1959

Chains

From this cor., a limestone, 15x8x8 ins., firmly set and plainly mkd bears N., 1.10 chs. dist., originally set for the cor. of secs. 13, 18, 19 and 24. I destroyed it.

Land, rolling.

Soil, gravelly, sandy loam, and rocky.

Timber, none.

N. 0° 10' W., on the E. bdy. of sec. 13.

Over rolling land.

3.33 Point for the cor. of secs. 18 and 19, T. 18 S., R. 17 W.

Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to bedrock and in a mound of stone to top, 3½ ft. base, with brass cap mkd.

	T18S
	R18W R17W
S13	S18
	S19
	1959

Desc. 20 ft. over rolling NW. slope.

10.40 Wash, 20 lks. wide, 2 ft. deep, drains N. 80° W.

16.90 Trail road, in wash, 10 lks. wide, 2 ft. deep, drains S. 70° W., bears S. 70° W. and N. 70° E.; asc. 50 ft. over rolling SW. slope.

31.60 Spur, from ridge, bears S. 20° E.; asc. 10 ft. over SW. slope.

40.00 Point for the ¼ sec. cor. of sec. 13, T. 18 S., R. 18 W.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

	T18S
	R18W R17W
¼	
S13	
	1959

Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor.

There is no remaining evidence of the cor. originally set for the ¼ sec. cor. of sec. 13 and 18.

43.33 Point for the ¼ sec. cor. of sec. 18, T. 18 S., R. 17 W.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

	T18S
	R18W R17W
¼	
S13	
	1959

Raise a mound of stone, 2½ ft. base, 2 ft. high, E. of cor.

Asc. 20 ft. over SW. slope.

48.70 Ridge, bears E. and W.; desc. 30 ft. over NE. slope.

67.40 Spur, bears N.; desc. 20 ft. along top of spur.

T18S

Chains

79.30 Same spur, bears N. 10° E.; thence along W. slope.

80.00 Point for the cor. of secs. 12 and 13, T. 18 S., R. 18 W.

Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to bedrock and in a mound of stone to top, 4 ft. base, with brass cap mkd.

T18S
R18W R17W
S12 | S18
S13 |
1959

From this cor., a limestone 18x10x8 ins. firmly set and plainly mkd., bears N. 4° 54' W., 1.43 chs. dist., originally set for the cor. of secs. 7, 12, 13 and 18. I destroyed it.

Land, rolling.

Soil, gravelly, sandy loam and exposed limestone.

Timber, none.

N. 0° 10' W., on the E. bdy. of sec. 12.

Over rolling land; desc. 20 ft. along W. slope.

3.33 Point for the cor. of secs. 7 and 18, T. 18 S., R. 17 W.

Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to bedrock and in a mound of stone to top, 3½ ft. base, with brass cap mkd.

T18S
R18W R17W
S12 | S 7
S18 |
1959

Desc. 50 ft. over NW. slope.

21.40 Slope changes to NE. slope; desc. 10 ft.

34.50 Wash, 40 lks. wide, 1 ft. deep, drains NE.; thence along E. slope.

40.00 Point for the ¼ sec. cor. of sec. 12, T. 18 S., R. 18 W.

Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to bedrock and in a mound of stone to top, 3½ ft. base, with brass cap mkd.

T18S
R18W R17W
¼
S12 |
1959

There is no remaining evidence of the cor. originally set for the ¼ sec. cor. of secs. 7 and 12.

43.33 Point for the ¼ sec. cor. of sec. 7, T. 18 S., R. 17 W.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

Chains

T18S
R18W R17W
|
S 7
1959

Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, E. of cor.

Asc. 20 ft. along E. slope.

69.60 Spur, projects NE.; desc. 50 ft. over NE. slope.

78.40 Small wash, drains E.; asc. 10 ft. over SE. slope.

80.00 Point for the cor. of secs. 1 and 12, T. 18 S., R. 18 W.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 16 ins. in the ground to bedrock and in a mound of stone to top, 3 ft. base, with brass cap mkd.

T18S
R18W R17W
S 1 |
S12 | S 7
1959

From this cor. a limestone, 18x12x8 ins. firmly set and plainly mkd., bears N. $1^{\circ} 30'$ W., 1.96 chs. dist., originally set for the cor. of secs. 1, 6, 7 and 12. I destroyed it.

Land, rolling.

Soil, clay, sandy and exposed limestone.

Timber, none.

N. $0^{\circ} 10'$ W., on the E. bdy. of sec. 1.

Over rolling land; asc. 10 ft. over SE. slope.

3.33 Point for the cor. of secs. 6 and 7, T. 18 W., R. 17 W.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 4 ins. in the ground to bedrock and in a mound of stone to top, $3\frac{1}{2}$ ft. base, with brass cap mkd.

T18S
R18W R17W
S 1 | S 6
S 7 |
1959

Asc. 10 ft. over SE. slope.

11.30 Spur, bears NE.; desc. 70 ft. over NW. slope.

23.30 Small wash, drains NE.; asc. 20 ft. over SE. slope.

29.20 Top of ascent on E. slope; desc. 100 ft. over N. slope.

39.50 Point selected for the witness $\frac{1}{2}$ sec. cor. of sec. 1.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T. 18 S., R. 18 W.

Chains

T18S
R18W R17W
WC
1/2
S 1
1959

40.00 True point for the 1/4 sec. cor. of sec. 1, T. 18 S., R. 18 W., falls in wash where cor. cannot be perpetuated. There is no remaining evidence of the cor. originally set for the 1/4 sec. cor. of sec. 1 and 6.

40.50 Wash, 1.00 ch. wide, 5 ft. deep, drains N. 70° W,

43.33 Point for the 1/4 sec. cor. of sec. 6, T. 18 S., R. 17 W.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.

T18S
R18W R17W
1/4
S 6
1959

Raise a mound of stone, 2 1/2 ft. base, 2 ft. high, E. of cor.

Asc. 10 ft. over SW. slope.

46.50 N. bank of wash, bears NW. and SE.; desc. 10 ft. over rolling NW. slope.

50.00 Graded road, bears S. 80° E. and N. 80° W.; desc. 30 ft. over rolling NW. slope.

74.50 Graded gravel road, bears NE. and SW.; desc. 10 ft. over rolling NW. slope.

80.00 Point for the 1/16 sec. cor. of sec. 1.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.

T18S
R18W R17W
1/16
S 1
80
1959

Raise a mound of stone, 2 1/2 ft. base, 2 ft. high, W. of cor.

83.33 Point for the cor. of Ts. 17 and 18 S., R. 17 W.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.

T18S T17S
R18W R17W
S 1 | S31
S 6

T18S
1959

Boulder, 2 1/2 ft. diam., E. of cor.

Desc. 10 ft. over NW. slope

86.23 The cor. of Ts. 17 and 18 S., R. 18 S., mkd. by a limestone, 16x16x6 ins., firmly set and plainly mkd., originally set for the cor. of Ts. 17 and 18 S., R. 17 and 18 W.

E. Adv. T. 18 S. R. 18 W.

Chase

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T17S
R18W R17W
S36 | S31
S 1 |
T18S
1959

Bury the original cor. alongside the iron post.

Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor.

Land, rolling.

Soil, sandy loam, clay, gravelly, and exposed limestone.

Timber, none.

Dependent Resurvey of the North Boundary of T. 18 S., R. 18 W.

Reestablishment of the survey executed by R. E. L. Collier, Deputy Surveyor, in 1895.

From the cor. of Ts. 17 and 18 S., R. 18 W., heretofore described.

N. 89° 55' W., bet. secs. 1 and 36.

Over gently rolling bench land, draining NW.; desc. 60 ft.

40.10 The ½ sec. cor. of secs. 1 and 36, mkd. by a limestone, 14x12x12 ins. firmly set and plainly mkd.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T17S R18W
½ S36
S 1
T18S
1959

Bury the original cor. alongside the iron post.

Raise a mound of stone, 2½ ft. base, 2 ft. high, N. of cor.

N. 89° 55' W., beginning new measurement.

Desc. 40 ft. over gently rolling NW. slope.

28.30 Wash, 2.00 chs. wide, 2 ft. deep, drains NW.; desc. 20 ft. over gently rolling NW. slope.

40.05 The cor. of secs. 1, 2, 35 and 36, mkd. by a limestone 24x16x10 ins., firmly set and plainly mkd.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T17S R18W
S35 | S36
S 2 | S 1
T18S
1959

Chains

Bury the original cor. alongside the iron post.

Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.

Cor. ~~is~~ located under fence, 4 strand barb, bears N. and S. 31° W.

Land, rolling bench land.

Soil, gravelly and sandy loam.

Timber, none.

N. $89^{\circ} 57'$ W., bet. secs. 2 and 35.

Over gradual W. slope; desc. 70 ft.

40.07 The $\frac{1}{2}$ sec. cor. of secs. 2 and 35, mkd. by a limestone $14 \times 12 \times 6$ ins., firmly set and plainly mkd.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T17S R18W.

$\frac{S35}{S 2}$

T18S

1959

Bury the original cor. alongside the iron post.

Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, N. of cor.

N. $89^{\circ} 56'$ W., beginning new measurement.

Desc. 30 ft. over gradual W. slope.

23.00 Enter greasewood, bears NW. and S.; desc. 20 ft. over gradual W. slope.

40.03 The cor. of secs. 2, 3, 34 and 35, mkd. by a limestone $18 \times 10 \times 8$ ins., firmly set and plainly mkd.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T17S R18W

$\frac{S34}{S 3} \frac{S35}{S 2}$

T18S

1959

Bury the original cor. alongside the iron post.

Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.

Land, gently rolling.

Soil, gravelly and sandy loam.

Timber, none.

N. $89^{\circ} 53'$ W., bet. secs. 3 and 34.

Over gently rolling land, draining W.; desc. 40 ft.

38.00 Leave greasewood, bears N. and SW.

40.04 The $\frac{1}{2}$ sec. cor. of secs. 3 and 34, mkd. by a limestone $12 \times 10 \times 8$ ins., firmly set and plainly mkd.

Resurvey, N. Bdy., T. 18 S. R. 18 W.

Chains

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T17S R18W

$\frac{1}{4}$ $\frac{S34}{S 3}$

T18S

1959

Bury the original cor. alongside the iron post.

Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, N. of cor.

N. $89^{\circ} 56' W.$, beginning new measurement.

Cont. over nearly level land.

40.08 The cor. of secs. 3, 4, 33, and 34, mkd. by a limestone $15 \times 12 \times 8$ ins., firmly set and plainly mkd.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T17S R18W

$\frac{S33}{S 4}$ $\frac{S34}{S 3}$

T18S

1959

Bury the original cor. alongside the iron post.

Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.

Land, gently rolling and level.

Soil, sandy and alkali,

Timber, none.

N. $89^{\circ} 57' W.$, bet. secs. 4 and 33.

Over nearly level land.

23.00 N. base of sand dune, 5.00 chs. diam.; cont. over nearly level land.

40.06 The $\frac{1}{4}$ sec. cor. of secs. 4 and 33, mkd. by a limestone, $14 \times 6 \times 6$ ins., firmly set and plainly mkd.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground and in a collar of stone, with brass cap mkd.

T17S R18W

$\frac{1}{4}$ $\frac{S33}{S 4}$

T18S

1959

Bury the original cor. alongside the iron post.

N. $89^{\circ} 58' W.$, beginning new measurement.

Cont. over nearly level land.

Dependent Survey, N. Bdy., T. 18 S., R. 18 W.

Chains

40.04 The cor. of secs. 4, 5, 32 and 33, mkd. by a limestone 12x8x8 ins., firmly set and plainly mkd.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground and in a collar of stone, with brass cap mkd.

T17S R18W

S32 | S33

S 5 | S 4

T18S

1959

Bury the original cor. alongside the iron post.

Land, nearly level.

Soil, sand and alkali.

Timber, none.

N. 89° 56' W., bet. secs. 5 and 32.

Over nearly level land.

40.00 The ¼ sec. cor. of secs. 5 and 32, mkd. by a limestone 14x6x4 ins., firmly set and plainly mkd.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground and in a collar of stone, with brass cap mkd.

T17S R18W

S32

¼ S 5

T18S

1959

Bury the original cor. alongside the iron post.

N. 89° 58' W., beginning new measurement.

Cont. over nearly level land.

40.02 The cor. of secs. 5, 6, 31 and 32, mkd. by a limestone 12x12x10 ins., firmly set and plainly mkd.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground and in a collar of stone, with brass cap mkd.

T17S R18W

S31 | S32

S 6 | S 5

T18S

1959

Bury the original cor. alongside the iron post.

Land, nearly level.

Soil, sand and alkali.

Timber, none.

N. 89° 54' W., bet. secs. 6 and 31.

Over nearly level land.

Dependent Resurvey, N. Bdy., T. 18 S., R. 18 W.

Chains

40.03 The $\frac{1}{4}$ sec. cor. of secs. 6 and 31, mkd. by a limestone 12x10x6 ins., firmly set and plainly mkd.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground and in a collar of stone, with brass cap mkd.

T17S R18W

$$\frac{1}{4} \frac{S31}{S6}$$

T18S

1959

Bury the original cor. alongside the iron post.

N. $89^{\circ} 57'$ W., beginning new measurement.

Cont. over nearly level land.

42.47 The cor. of Ts. 17 and 18 S., Rs. 18 and 19 W., mkd. by a mound of earth, 4 ft. diam., and traces of charcoal.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T17S

R19W R18W

$$\frac{S36}{S1} \frac{S31}{S6}$$

S 1 S 6

T18S

1959

Raise a mound of stone, 3 ft. base, 2 ft. high, S. of cor.

Land, nearly level.

Soil, sand and alkali.

Timber, none.

Dependent Resurvey of the East Boundary, T. 18 S., R. 19 W.

Reestablishment of the survey executed by A. J. Stewart Jr., Deputy Surveyor, in 1882 with the establishment of new cors. at regular intervals of 40 chs. northing pertaining to T. 18 S., R. 18 W.

From the cor. of Ts. 18 and 19 S., Rs. 18 and 19 W., an iron post, 3 ins. diam., set, mkd. and witnessed as described in the official record.

N. $0^{\circ} 12'$ W., on the E. bdy. of sec. 36.

Over nearly level land, draining NW.

24.10 Small wash, drains NW.

40.00 Point for the $\frac{1}{4}$ sec. cor. of sec. 31, T. 18 S., R. 18 W.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

Dependent Resurvey, N. 23y. T. 18 S., R. 18 W.

Chains

T18S
R19W R18W
|
S31
1959

Raise a mound of stone, 2½ ft. base, 2 ft. high, E. of cor.

40.39 Point for the ¼ sec. cor. of sec. 36, T. 18 S., R. 19 W., proportionate dist.; there is no remaining evidence of the original ¼ sec. cor. of secs. 31 and 36.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T18S
R19W R18W
|
S36
1959

Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor.

Cont. over nearly level land.

80.00 Point for the cor. of secs. 30 and 31, T. 18 S., R. 18 W.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T18S
R19W R18W
|
S36 | S30
| S31
1959

Raise a mound of stone, 2½ ft. base, 2 ft. high, E. of cor.

80.78 Point for the cor. of secs. 25 and 36, T. 18 S., R. 19 W.; proportionate dist.; there is no remaining evidence of the original cor. of secs. 25, 30, 31 and 36.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T18S
R19W R18W
|
S25 | S30
| S36
1959

Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor.

Land, nearly level.
Soil, sand and alkali.
Timber, none.

N. 0° 12' W., on the E. bdy. of sec. 25.

Over nearly level land.

31.60 Small wash, drains NE.

39.22 Point for the ¼ sec. cor. of sec. 30, T. 18 S., R. 18 W.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

Chains

T18S
R19W R18W
|
S30
1959

Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, E. of cor.

From this cor., reservoir, bears E., 6.00 chs. dist.

- 40.39 Point for the $\frac{1}{4}$ sec. cor. of sec. 25, T. 18 S., R. 19 W.; proportionate dist.; there is no remaining evidence of the original cor. set for the $\frac{1}{4}$ sec. cor. of secs. 25 and 30.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground with brass cap mkd.

T18S
R19W R18W
|
S25
1959

Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.

Cont. over nearly level land.

- 79.22 Point for the cor. of secs. 19 and 30, T. 18 S., R. 18 W.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground with brass cap mkd.

T18S
R19W R18W
|
S25 | S19
| S30
1959

Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, E. of cor.

- 80.78 Point for the cor. of secs. 24 and 25, T. 18 S., R. 19 W., proportionate dist.; there is no remaining evidence of the original cor. of secs. 19, 24, 25 and 30.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground with brass cap mkd.

T18S
R19W R18W
|
S24 | S19
| S25
1959

Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.

Land, nearly level.
Soil, sand and alkali.
Timber, none.

N. $0^{\circ} 12'$ W., on the E. bdy. of sec. 24.

Over nearly level land.

- 38.44 Point for the $\frac{1}{4}$ sec. cor. of sec. 19, T. 18 S., R. 18 W.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T. 18 S., R. 19 W.

Chains

T18S
R19W R18W
|
S19
1959

Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, E. of cor.

40.39

Point for the $\frac{1}{4}$ sec. cor. of sec. 24, T. 18 S., R. 19 W., proportionate dist.; there is no remaining evidence of the original $\frac{1}{4}$ sec. cor. of sec. 19 and 24.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T18S
R19W R18W
|
S24
1959

Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.

Cont. over nearly level land.

78.44

Point for the cor. of secs. 18 and 19, T. 18 S., R. 18 W.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T18S
R19W R18W
|
S24 | S18
| S19
1959

Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, E. of cor.

80.78

Point for the cor. of secs. 13 and 24, T. 18 S., R. 19 W., proportionate dist.; there is no remaining evidence of the original cor. of secs. 13, 18, 19 and 24.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T18S
R19W R18W
|
S13 | S18
| S24 | S18
1959

Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.

Land, nearly level.

Soil, sand and alkali.

Timber, none.

N. $0^{\circ} 12'$ W., on the E. bdy. of sec. 13.

Over nearly level land.

4.10

Graded gravel road, bears N. 75° E. and S. 75° W.

37.66

Point for the $\frac{1}{4}$ sec. 18, T. 18 S., R. 18 W.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

Chains

T18S
R19W R18W
| $\frac{1}{4}$
S18
1959

Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, E. of cor.

40.39 Point for the $\frac{1}{4}$ sec. cor. of sec. 13, T. 18 S., R. 19 W., proportionate dist.; there is no remaining evidence of the original $\frac{1}{4}$ sec. cor. of secs. 13 and 18.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T18S
R19W R18W
| $\frac{1}{4}$
S13
1959

Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.

Cont. over nearly level land.

77.66 Point for the cor. of secs. 7 and 18, T. 18 S., R. 18 W.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T18S
R19W R18W
S13 | $\frac{S}{7}$
S18
1959

Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, E. of cor.

80.78 Point for the cor. of secs. 12 and 13, T. 18 S., R. 19 W., proportionate dist.; there is no remaining evidence of the original cor. of secs. 7, 12, 13 and 18.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T18S
R19W R18W
S12 |
S13 | S 7
1959

Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.

Land, nearly level.

Soil, sand and alkali.

Timber, none.

N. $0^{\circ} 12'$ W., on the E. bdy. of sec. 12.

Over nearly level land.

36.88 Point for the $\frac{1}{4}$ sec. cor. of sec. 7, T. 18 S., R. 18 W.

Dependent Resurvey, E. Bdy., T. 18 S., R. 19 W.

Chains

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T18S
R19W R18W
|
S 7
1959

Raise a mound of stone, 2½ ft. base, 2 ft. high, E. of cor.

40.39 Point for the ¼ sec. cor. of sec. 12, T. 18 S., R. 19 W., proportionate dist.; there is no remaining evidence of the original ¼ sec. cor. of secs. 7 and 12.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T18S
R19W R18W
|
S 12
1959

Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor.

Cont. over nearly level land.

76.88 Point for the cor. of secs. 6 and 7, T. 18 S., R. 18 W.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T18S
R19W R18W
S 12 | S 6
S 7
1959

Raise a mound of stone, 2½ ft. base, 2 ft. high, E. of cor.

80.78 Point for the cor. of secs. 1 and 12, T. 18 S., R. 19 W., proportionate dist.; there is no remaining evidence of the original cor. set for the cor. of secs. 1, 6, 7 and 12.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T18S
R19W R18W
S 1 | S 6
S 12
1959

Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor.

Land, nearly level.

Soil, sand and alkali.

Timber, none.

N. 0° 12' W., on the E. bdy. of sec. 1.

Over nearly level land.

36.10 Point for the ¼ sec. cor. of sec. 6, T. 18 S., R. 18 W.

t. Resurvey of T. 18 S., R. 18 W.

Chains	
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.
	<div style="text-align: center;"> T18S R19W R18W ¼ S 6 1959 </div>
	Raise a mound of stone, 2½ ft. base, 2 ft. high, E. of cor.
40.39	Point for the ¼ sec. cor. of sec. 11, T. 18 S., R. 19 W., proportionate dist.; there is no remaining evidence of the original cor. set for the ¼ sec. cor. of secs. 1 and 6.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.
	<div style="text-align: center;"> T18S R19W R18W ¼ S 1 1959 </div>
	Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor.
	Cont. over nearly level land.
80.78	The cor. of Ts. 17 and 18 S., Rs. 18 and 19 W., heretofore described.
	Land, nearly level.
	Soil, sand and alkali.
	Timber, none.
	Portion of the Subdivision of T. 18 S., R. 18 W.
	From the cor. of secs. 35 and 36 on the S. bdy. of the Tp., an iron post, 2½ ins. diam., set, mkd., and witnessed as described in the field notes of the concurrent survey of T. 19 S., R. 18 W.
	N. 0° 11' W., bet. secs. 35 and 36.
	Over gently rolling land, draining NW.; desc. 10 ft.
8.50	Wash, 20 lks. wide, 2 ft. deep, drains N. 80° W.; cont. over gently rolling land.
16.00	Trail road, bears SE. and NW.; desc. 20 ft. over gently rolling NW. slope.
27.00	Trail road, bears E. and W.; desc. 10 ft. over gently rolling NW. slope.
36.00	Wash, 20 lks. wide, 2 ft. deep, drains NW.
40.00	Point for the ¼ sec. cor. of secs. 35 and 36.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

Portion of Subdivision, T. 18 S., R. 18 W.

Chains

T18S R18W

S35|S36

1959

Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.

Desc. 20 ft. over rolling NW. slope.

55.30 Wash, 20 lks. wide, 2 ft. deep, drains N. 70° W.

64.60 Trail road, bears NE. and SW.

70.40 E. end of spur, projects E.; desc. 30 ft. over N. slope,

72.60 Junction of washes, from NE. and SE., 40 lks. wide, 2 ft. deep, drains W.; asc. 40 ft. over SE. slope.

80.00 Point for the cor. of secs. 25, 26, 35 and 36.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 8 ins. in the ground to bedrock and in a mound of stone to top, $3\frac{1}{2}$ ft. base, with brass cap mkd.

T18S R18W

S26|S25

S35|S36

1959

Land, rolling.

Soil, gravelly and sandy loam.

Timber, none.

From the cor. of secs. 25 and 36 on the E. bdy. of the Tp., heretofore described.

N. $89^{\circ} 40'$ W., bet. secs. 25 and 36.

Over rolling land, draining W.; desc. 60 ft.

15.10 Wash, 10 lks. wide, 2 ft. deep, drains N. 80° W.; desc. 30 ft. over rolling W. slope.20.90 Same wash, drains S. 70° W.; desc. 60 ft. over rolling W. slope.38.20 Same wash, drains N. 70° W.40.03 Point for the $\frac{1}{4}$ sec. cor. of secs. 25 and 36.set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T18S R18S

S25

 $\frac{1}{4}$ S36

1959

Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, N. of cor.

Desc. 30 ft. over rolling W. slope.

48.10 Same wash, drains SW.; desc. 60 ft. over rolling W. slope.

71.60 Trail road, bears N. and S.

78.80 Wash, 30 lks. wide, 2 ft. deep, drains S. 20° W.; asc. 20 ft. over SE. slope.

Portion of Subdivision T. 18 S. R. 18 W.

Chains

80.06 The cor. of secs. 25, 26, 35 and 36.

Land, rolling.
Soil, gravelly and sandy loam.
Timber, none.

From the cor. of secs. 33 and 34 on the S. bdy. of the Tp., an iron post, 2½ ins. diam., set, mkd., and witnessed as described in the field notes of the concurrent survey of T. 19 S., R. 18 W.

N. 0° 12' W., bet. secs. 33 and 34.

Over gently rolling bench land, draining NW.

7.70 Wash, 10 lks. wide, 2 ft. deep, drains NW.

15.20 Wash, 20 lks. wide, 2 ft. deep, drains NW.

21.10 Wash, 40 lks. wide, 2 ft. deep, drains NW.

39.00 Wash, 40 lks. wide, 2 ft. deep, drains NW.

40.00 Point for the ¼ sec. cor. of secs. 33 and 34.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T18S R18W

¼

S33|S34

1959

Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor.

Cont. over gently rolling NW. slope.

47.50 Wash, 10 lks. wide, 2 ft. deep, drains W.; cont. over gently rolling W. slope.

56.10 Wash, 30 lks. wide, 2 ft. deep, drains W.

66.00 Wash, 20 lks. wide, 1 ft. deep, drains N. 70° W.

80.00 Point for the cor. of secs. 27, 28, 33 and 34.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T18S R18W

S28|S27

S33|S34

1959

Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor.

Land, gently rolling.
Soil, gravelly and sandy loam.
Timber, none.

N. 0° 12' W., bet. secs. 27 and 28.

Over gently rolling bench land, draining NW.; desc. 10 ft.

Portion of Subdivision, T. 18 S., R. 18 W.

Chains

- 7.40 Wash, 1.00 ch. wide, 3 ft. deep, drains N. 50° W.; desc. 30 ft. over gently rolling NW. slope.
- 22.30 Wash, 20 lks. wide, 2 ft. deep, drains N. 30° W.; desc. 30 ft. over gently rolling NW. slope.
- 39.60 Top of bench, bears N. 70° E. and S. 70° W.
- 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 27 and 28.
- Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T18S R18W

$\frac{1}{4}$
S28 | S27
1959

Raise a mound of stone, 2 $\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.

Desc. 50 ft. over rolling NW. slope.

- 61.40 Wash, 20 lks. wide, 2 ft. deep, drains N. 35° W.; desc. 40 ft. over gently rolling NW. slope.

- 80.00 Point for the cor. of secs. 21, 22, 27 and 28.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T18S R18W

S21 | S22
S28 | S27
1959

Raise a mound of stone, 2 $\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.

Land, gently rolling.

Soil, gravelly and sandy loam.

Timber, none.

N. 0° 12' W., bet. secs. 21 and 22.

Over gently rolling land, draining NW.

- 4.80 Trail road, bears SE. and NW.; desc. 50 ft. over gently rolling NW. slope.

- 33.50 Wash, 20 lks. wide, 1 ft. deep, drains N. 30° W.; desc. 10 ft. over gently rolling NW. slope.

- 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 21 and 22.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T18S R18W

$\frac{1}{4}$
S21 | S22
1959

Raise a mound of stone, 2 $\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.

Desc. 20 ft. over gently rolling NW. slope.

- 59.00 Enter greasewood, bears NE. and SW.; desc. 30 ft. over gently rolling NW. slope.

Portion of Subdivision T. 18 S. R.

Chains

80.00

Point for the cor. of secs. 15, 16, 21 and 22.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the with brass cap mkd.

T18S R18W

S16|S15

S21|S22

1959

Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.

Land, gently rolling.

Soil, sandy and gravelly.

Timber, none.

N. $0^{\circ} 12'$ W., bet. secs. 15 and 16.

Over nearly level land.

40.00

Point for the $\frac{1}{4}$ sec. cor. of secs. 15 and 16.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T18S R18W

 $\frac{1}{4}$

S16|S15

1959

Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.

Cont. over nearly level land.

72.50

Trail road, bears E. and W.

80.00

Point for the cor. of secs. 9, 10, 15 and 16 on the S. edge of gravel road.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. below the road surface, with the brass cap mkd.

T18S R18W

S 9|S10

S16|S15

1959

From which

An iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., set 26 ins. in the ground, for a reference monument, bears S. $21^{\circ} 45'$ W., 73.0 ft. dist., with brass cap mkd. T18S R18W S16 RM 73.0 ft. 1959 and an arrow pointing to the true corner.

An iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., set 26 ins. in the ground, for a reference monument, bears N. $62^{\circ} 21'$ W., 57.0 ft. dist., with brass cap mkd. T18S R18W S9 RM 57.0 ft. 1959 and an arrow pointing to the true corner.

Land, nearly level.

Soil, sand and alkali.

Timber, none.

N. $0^{\circ} 12'$ W., bet. secs. 9 and 10.

Over nearly level land.

of T18 S. R. 18 W.

Chains

- 0.20 Graded gravel road, bears NE. and SW.
- 1.00 Fence, 4 strand barb, bears NE. and SW.
- 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 9 and 10.
Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.
T18S R18W
 $\frac{1}{4}$
S 9 | S10
1959
Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.
Cont. over nearly level land.
- 80.00 Point for the cor. of secs. 3, 4, 9 and 10.
Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.
T18S R18W
S 4 | S 3
S 9 | S10
1959
Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.
Land, nearly level.
Soil, sand and alkali.
Timber, none.
-
- N. $0^{\circ} 20'$ W., bet. secs. 3 and 4.
Over nearly level land.
- 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 3 and 4.
Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.
T18S R18W
 $\frac{1}{4}$
S 4 | S 3
1959
Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.
Cont. over nearly level land.
- 80.00 Point for the $\frac{1}{16}$ sec. cor. of sec. 3 and 4.
Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.
T18S R18W
 $\frac{1}{16}$
S 4 | S 3
80
1959
Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.

Portion of Subdivision T. 18 S. R. 18 W.

Chains

85.57 cor. of secs. 3, 4, 33 and 34 on the N. bdy. of the Tp., here described.

Soil, nearly level.

Soil, sand and alkali.

Water, none.

from the cor. of secs. 1, 2, 35 and 36 on the N. bdy. of the Tp., heretofore described.

S. 0° 11' E., bet. secs. 1 and 2.

Over gently rolling land, draining NW.

2.70 Wash, 30 lks. wide, 2 ft. deep, drains NW.

3.40 Trail road, bears SW. and N. 10° W.

6.02 Point for the 1/16 sec. cor. of sec. 1 and 2.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T18S R18W

1/16

S 2 | S 1

80

1959

Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor.

6.60 Wash, 20 lks. wide, 2 ft. deep, drains W.

46.02 Point for the ¼ sec. cor. of secs. 1 and 2.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T18S R18W

¼

S 2 | S 1

1959

Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor.

Cont. over gently rolling land, draining NW.

50.10 Graded gravel road, bears S. 60° W. and N. 60° E.

68.50 Wash, 20 lks. wide, 1 ft. deep, drains N. 80° W.

69.90 Trail road, bears NW. and SE.

72.79 Graded road, bears NW. and SE.

78.30 Wash, 30 lks. wide, 2 ft. deep, drains NW.

81.80 Wash, 30 lks. wide, 1 ft. deep, drains W.

86.02 Point for the cor. of secs. 1, 2, 11 and 12.

Portion of Subdivision, T. 18 S., R. 18 W.

Chains

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T18S R18W

S 2 | S 1

S11 | S12

1959

Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.

Land, gently rolling, draining NW.

Soil, gravelly and sandy loam.

Timber, none.

N. $89^{\circ} 46'$ W., bet. secs. 2 and 11 on a theoretical parallel connecting the cor. of sections 1 and 12 on the east side, and the cor. of secs. 3, 4, 9 and 10 as specified in the special instructions.

Over gently rolling land, draining NW.; desc. 20 ft.

13.20 Wash, 30 lks. wide, 1 ft. deep, drains N. 35° W.; desc. 20 ft. over gently rolling NW. slope.

32.00 Wash, 30 lks. wide, 1 ft. deep, drains NW.; desc. 10 ft. over gently rolling NW. slope.

38.70 Wash, 10 lks. wide, 3 ft. deep, drains NW.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 11.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T18S R18W

 $\frac{1}{4}$ S 2 $\frac{1}{4}$ S11

1959

Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, N. of cor.

Desc. 10 ft. over gently rolling NW. slope.

49.40 Trail road, bears NE. and SW.; desc. 30 ft. over gently rolling NW. slope.

59.40 Wash, 20 lks. wide, 3 ft. deep, drains N. 70° W.; desc. 10 ft. over rolling NW. slope.

63.50 Wash, 20 lks. wide, 3 ft. deep, drains NW.; desc. 10 ft. over gently rolling NW. slope.

72.10 Graded gravel road, bears SW. and NE,

72.90 Fence, 4 strand barb, bears SW. and NE.; desc. 10 ft. over gently rolling NW. slope.

80.00 Point for the cor. of secs. 2, 3, 10 and 11.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T18S R18W

S 3 | S 2

S10 | S11

1959

Portion of Subdivision, T. 18 S., R. 18 W.

Chains

Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.

Land, gently rolling.

Soil, gravelly and sandy loam.

Timber, none.

N. $0^{\circ} 15'$ W., bet. secs. 2 and 3.

Over gently rolling land, draining W.

3.70 Wash, 20 lks. wide, 4 ft. deep, drains N. 80° W.8.40 Wash, 20 lks. wide, 3 ft. deep, drains N. 80° W.

22.10 Wash, 10 lks. wide, 2 ft. deep, drains NW.

26.70 Wash, 20 lks. wide, 3 ft. deep, drains W.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 3.Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T18S R18W

 $\frac{1}{4}$
 S 3 | S 2
 1959
Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.

Cont. over gently rolling W. slope.

61.20 Wash, 20 lks. wide, 2 ft. deep, drains N. 70° W.80.00 Point for the $1/16$ sec. cor. of secs. 2 and 3.Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T18S R18W

 $1/16$
 S 3 | S 2
 80
 1959
Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.

83.10 Small wash, drains NW.

85.77 The cor. of secs. 2, 3, 34 and 35 on the N. bdy. of the Tp., heretofore described.

Land, gently rolling.

Soil, sand and gravelly.

Timber, none.

From the cor. of secs. 15, 16, 21 and 22, heretofore described.

N. $89^{\circ} 44'$ W., bet. secs. 16 and 21.

Over gently rolling land, draining NW.; desc. 20 ft.

22.00 Graded road, bears N. 30° W. and S. 30° E.; thence over nearly level land.

Portion of T18S R18W.

Chains	
38.60	Fence, 4 strand barb, bears N. and S.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 16 and 21.
	Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.
	T18S R18W
	$\frac{1}{4}$ $\frac{S16}{S21}$
	1959
	Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, N. of cor.
	Cont. over nearly level land.
74.80	Wash, 10 lks. wide, 2 ft. deep, drains N. 30° W.
80.00	Point for the cor. of secs. 16, 17, 20 and 21.
	Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.
	T18S R18W
	$\frac{S17}{S20} \frac{S16}{S21}$
	1959
	Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.
	Land, gently rolling and level.
	Soil, sand, gravelly and alkali.
	Timber, none.
<hr/>	
	N. $0^\circ 13'$ W., bet. secs. 16 and 17.
	Over nearly level land.
8.60	Small wash, drains N. 30° W.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 16 and 17.
	Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.
	T18S R18W
	$\frac{1}{4}$ $\frac{S17}{S16}$
	1959
	Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.
	Cont. over nearly level land.
51.50	Graded gravel road, bears S. 70° W. and N. 70° E.
80.00	Point for the cor. of secs. 8, 9, 16 and 17.
	Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.
	T18S R18W
	$\frac{S 8}{S17} \frac{S 9}{S16}$
	1959

Portion of Subdivision, T. 18 S., R. 18 W.

Chains

Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.

Land, nearly level.

Soil, sand and alkali.

Timber, none.

From the cor. of secs. 9, 10, 15 and 16.

N. $89^{\circ} 44'$ W., bet. secs. 9 and 16.

Over nearly level land.

.20 Graded gravel road, bears NE. and SW.

1.10 Fence, 4 strand barb, bears NE. and SW.

40.015 Point for the $\frac{1}{4}$ sec. cor. of secs. 9 and 16.Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T18S R18W

 $\frac{1}{4}$ S 9
S16

1959

Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, N. of cor.

Cont. over nearly level land.

80.03 The cor. of secs. 8, 9, 16 and 17.

Land, nearly level.

Soil, sand and alkali.

Timber, none.

From the cor. of secs. 32 and 33 on the S. bdy. of the Tp., an iron post, $2\frac{1}{2}$ ins. diam., set, mkd., and witnessed as described in the field notes of the concurrent survey of T. 19 S., R. 18 W.N. $0^{\circ} 13'$ W., bet. secs. 32 and 33.

Over gently rolling land, draining NW.

.40 Wash, 20 lks. wide, 2 ft. deep, drains NW.; desc. 40 ft. over gently rolling NW. slope.

29.30 Wash, 20 lks. wide, 2 ft. deep, drains NW.; desc. 10 ft. over gently rolling NW. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 32 and 33.Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T18S R18W

 $\frac{1}{4}$

S32 | S33

1959

Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.

Desc. 10 ft. over gently rolling NW. slope.

58.40 Wash, 30 lks. wide, 3 ft. deep, drains N. 70° W.; desc. 10 ft. over gently rolling NW. slope.

Portion of Subdivision, T. 18 S., R. 18 W.

Chains

65.00 Trail road, bears E. and W.; desc. 10 ft. over gently rolling NW. slope.

73.00 Wash, 80 lks. wide, 2 ft. deep, drains NW.; desc. 10 ft. over gently rolling NW. slope.

80.00 Point for the cor. of secs. 28, 29, 32 and 33.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T18S R18W

S29|S28

S32|S33

1959

Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor.

Land, gently rolling.

Soil, gravelly and sandy loam.

Timber, none.

From the cor. of secs. 31 and 32 on the S. bdy. of the Tp., an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the field notes of the concurrent survey of T. 19 S., R. 18 W.

N. 0° 13' W., bet. secs. 31 and 32.

Over gently rolling land, draining NW.

19.20 Trail road, bears SW. and NE.

40.00 Point for the ¼ sec. cor. of secs. 31 and 32.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T18S R18W

¼

S31|S32

1959

Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor.

Cont. over gently rolling NW. slope.

42.00 Trail road, bears N. 60° W. and S. 60° E.; desc. 30 ft. over gently rolling NW. slope.

80.00 Point for the cor. of secs. 29, 30, 31 and 32.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T18S R18W

S30|S29

S31|S32

1959

Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor.

Land, gently rolling.

Soil, sandy loam and gravelly.

Timber, none.

Portion of Subdivis T. 18 S. R. 18 W.

Chains	From the cor. of secs. 28, 29, 32 and 33. N. 89° 45' W., bet. secs. 29 and 32. Over gently rolling land, draining NW.; desc. 10 ft.
6.30	Wash, 50 lks. wide, 3 ft. deep, drains NW.; desc. 30 ft. over NW. slope.
25.60	Graded gravel road, bears N. 20° E. and S. 20° W.
26.20	Fence, 4 strand barb, bears N. 20° E. and S. 20° W.
33.80	Wash, 20 lks. wide, 1 ft. deep, drains NW.; desc. 10 ft. over NW. slope.
39.995	Point for the $\frac{1}{2}$ sec. cor. of secs. 29 and 32. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 25 ins. in the ground, with brass cap mkd. <div style="text-align: center;">T18S R18W $\frac{S29}{S32}$ 1959</div>
	Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, N. of cor.
42.10	Trail road, bears NE. and SW.
46.00	Wash, 20 lks. wide, 1 ft. deep, drains NW.; desc. 40 ft. over gently rolling NW. slope.
79.99	The cor. of secs. 29, 30, 31 and 32. Land, gently rolling. Soil, sandy loam and gravelly. Timber, none.

General Description

The land within this township varies from nearly level on the west half of the township to rolling bench land and low mountains on the east half of the township. The elevation varies from 4800 feet on the desert, to 6300 ft. on the low mountains. The area drains northwesterly into the desert valley.

The soil varies from sand and alkali in the valley to gravelly, exposed limestone and sandy loam on the higher elevations.

The timber is composed of scattering juniper in the southeast portion of the township.

Principal users of the area are cattlemen and sheepmen and access into the township is provided by desert roads and stock trails.

No mineral formations of consequence were noted during the survey.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
James R. Munson	Transitman
Wallace R. Ott	Chairman
Jerry Lee Thomas	Flagman
Clarence N. Carleton	Cornerman
Edwin P. Lister	Cornerman

CERTIFICATE OF CADASTRAL ENGINEER

I, Vern E. Lane, HEREBY CERTIFY upon honor that, pursuant of special instructions bearing date of the 4th day of August, 1960, I have ~~surveyed~~ supervised the independent resurvey of the Snake Valley Guide along the east boundary; and the dependent resurvey of the north and west boundaries with the establishment of new corners pertaining to the west boundary; and the of a portion of the subdivision of T. 18 S., R. 18 W.

of the Salt Lake Meridian, in the State of Utah, which ~~was made under my supervision~~ under my supervision represented in the foregoing field notes as having been executed ~~by me and under my direction~~; and said survey has been made in strict conformity with said instructions, the Manual of Instructions for Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

Salt Lake City, Utah

January 27, 1960


Vern E.
Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., NOV 25 1960, 1960

The foregoing field notes of the ~~survey of~~ independent resurvey of the Snake Valley Guide Meridian, along the east boundary; and the dependent resurvey of the north and west boundaries, with the establishment of new corners pertaining to the west boundary; and the survey of a portion of the subdivision of T. 18 S., R. 18 W., SLMer., Utah executed by Lacel E. Bland, Cadastral Surveyor, under the supervision of Vern E. Lane, Cadastral Surveyor having been critically examined and found correct, are hereby approved.


Acting Cadastral Engineering Staff Officer.

CERTIFICATE OF TRANSCRIPT

I hereby certify that the foregoing transcript of the Snake Valley Guide survey is a true copy of the original Snake Valley Guide.

Cadastral Engineering Staff Officer

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ORIGINAL

FIELD NOTES

OF THE

SURVEY

OF THE EAST BOUNDARY

AND A PORTION OF THE SUBDIVISION

OF

TOWNSHIP 15½ SOUTH, RANGE 13 WEST

Of the Salt Lake Meridian,

the State of Utah

EXECUTED BY

Vern E. Lane, Cadastral Surveyor (Chief of Party)

Lacel E. Bland, Cadastral Surveyor

Eldon W. Sibley, Cartographic Survey Aid

Under special instructions dated August 15, 1936, which provided
supplemental special instructions June 29, 1954
the surveys included under Group No. 275, approved September 22, 1936
July 15, 1954
Assignment instructions dated July 27, 1959

Survey commenced August 25, 1959

Survey completed October 23, 1959

INDEX DIAGRAM

Township 15½ South, Range 13 West

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31	5 32	4 33	34	35	3 36

GPO 866119

Lacel E. Bland _____

Eldon W. Sibley _____

Township 15½ South, Range 13 West

Chains

The Third Standard Parallel South, through R. 13 W., was surveyed by Gentry, Vincent, McConkie, Reese and Young in 1937. The south and west boundaries were surveyed concurrently and are described in the field notes of T. 16 S., R. 13 W. and T. 15½ S., R. 14 W., respectively.

The following field notes are those of the survey of the east boundary and a portion of the subdivision of T. 15½ S., R. 13 W.; deemed sufficient to facilitate the development of the natural resources and mark the boundaries of those sections that are normally considered state school sections.

The survey was executed with W. & L. E. Gurley Solar Transit Nos. 491037 and 580515 constructed in accordance with the standard instrumental specifications of the Bureau of Land Management. The instrument was in good condition prior to the beginning of the survey and was maintained in proper adjustment throughout the progress of the survey.

Corners on east-west lines were set on the true latitudinal curve. Lines connecting previously established corners were run by random and true method, but for simplification of the record the random lines are omitted from the field notes. In accordance with the intent of the special instructions, all subdivisional corners established are calculated to be at the position they would occupy if the entire township were subdivided.

Measurements herein contained were made with a narrow steel tape, 8 chains in length, graduated every 10 links for the first 100 links and thereafter at intervals of 10 links. The tape was tested by comparison with a 1 chain standard steel tape and found to be correct. Measurements were made on the slope with the vertical angle of each interval ascertained by a clinometer in good adjustment; horizontal equivalents alone are entered in the field notes. All lines of this survey were run by direct method where the lines were accessible; lines inaccessible were run by traverse or triangulation methods. Distances to topography on lines run by triangulation are estimated. The details of such traverses or triangulations have been thoroughly checked and verified, and in order to simplify the record the diagrams and reductions are omitted from these field notes.

The direction of the lines of this survey were determined by reference to true meridians established on line by hour angle observations on Polaris or altitude observations on the sun. The lines were carried forward by sustained angulation being supplemented by other numerous altitude observations on the sun taken throughout the progress of the survey.

The geographic position for the southeast corner of the township is at latitude 39° 27' 12.4" N. and longitude 113° 15' 20.6" W. as adjusted from traverses along section lines from U. S. G. S. station Confusion and Water Tank, located near the crossroads at Painter Springs.

The magnetic declination was read at a number of stations throughout the township and the average of these readings was found to be 16° 30' East.

Survey of the East Boundary of T. 15½ S., R. 13 W.

Beginning at the cor. of Tps. 15½ and 16 S., R. 13 W., an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the field notes of T. 16 S., R. 13 W.

North, on the E. bdy. of sec. 36.

Survey, E. Bdy., T. 15½ S., R. 13 W.

Chains

Over rolling desert land, draining E.

7.21 Point for the ¼ sec. cor. of sec. 6, T. 16 S., R. 12 W.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground with brass cap mkd.

T15½S T16S

R13W R12W

¼

S 6

1959

Raise a mound of stone, 2½ ft. base, 2 ft. high, E. of cor.

11.90 Begin descent over N. slope; desc. 30 ft.

17.90 Wash, 20 lks. wide, 3 ft. deep, drains NE.

35.20 Wash, 10 lks. wide, 2 ft. deep, drains N. 80° E.; asc. 20 ft. over S slope.

40.00 Point for the ¼ sec. cor. of sec. 36, T. 15½ S., R. 13 W.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground with brass cap mkd.

T15½S T16S

R13W R12W

¼

S 36

1959

Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor.

Asc. 10 ft. over S. slope.

46.20 Top of ascent, bears E. and W.; thence over rolling land, draining E.

47.21 Point for the 1/16 sec. cor. of sec. 6, T. 16 S., R. 12 W.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground with brass cap mkd.

T15½S T16S

R13W R12W

1/16

S 6

1959

Raise a mound of stone, 2½ ft. base, 2 ft. high, E. of cor.

57.50 Trail road, bears E. and SW.

63.50 Wash, 30 lks. wide, 2 ft. deep, drains NE.

65.21 Intersect the Third Standard Parallel South.

Point for the closing cor. of Tps. 15½ and 16 S., Rs. 12 and 13 W.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground with brass cap mkd.

T15S R13W

S 36

S 6

T15½S T16S

R13W R12W

CC

1959

Chains

Raise a mound of stone, 3 ft. base, 2 ft. high, S. of cor.

From this cor. the standard $\frac{1}{4}$ sec. cor. of sec. 36 bears W., 5.90 chs. dist., an iron post, 1 in. diam., set, mkd., and witnessed as described in the official record.

Land, rolling desert.

Soil, sandy clay.

Timber, none.

Survey of a Portion of the Subdivision of T. 15 $\frac{1}{2}$ S., R. 13 W.

From the cor. of secs. 1, 2, 35 and 36 on the S. bdy. of the Tp., an iron post, 2 $\frac{1}{2}$ ins. diam., set, mkd. and witnessed as described in the survey of T. 16 S., R. 13 W.

N. 0° 01' W., bet. secs. 35 and 36.

Over rolling land, through widely scattered timber; desc. 80 ft. over NW. slope.

12.40 Wash, 10 lks. wide, 2 ft. deep, drains N. 40° E.; asc. 20 ft. over SE. slope.

16.00 Small spur, bears NE.; desc. 20 ft. over NW. slope.

18.30 Wash, 20 lks. wide, 2 ft. deep, drains N. 70° E.; desc. 30 ft. over NW. slope.

26.80 Wash, 30 lks. wide, 3 ft. deep, drains E.

34.10 Small wash, drains S. 70° E.; asc. 25 ft. over SE. slope.

39.00 Low spur, bears E.; thence over rolling land, draining E.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 35 and 36.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 15 ins. in the ground to bedrock and in a mound of stone to top, 3 ft. base, with brass cap mkd.

T15 $\frac{1}{2}$ S R13W

S35|S36

1959

Cont. over rolling land, draining E.

48.00 Wash, 40 lks. wide, 4 ft. deep, drains N. 70° E.

52.80 Trail road, bears N. 20° W. and S. 20° E., 1.00 ch. thence NE.

65.12 Intersect the Third Standard Parallel South.

Point for the closing cor. of secs. 35 and 36.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 18 ins. in the ground to bedrock and in a mound of stone to top, 3 ft. base, with brass cap mkd.

T15S R13W

S35

S35|S36

T15 $\frac{1}{2}$ S

C C

1959

Survey, Portion of T. 16 S., R. 13 W.

Chains

From this cor., the standard $\frac{1}{4}$ sec. cor. of sec. 35, bears W., 5.89 chs., dist., an iron post, 1 in. diam., set, mkd. and witnessed as described in the official record.

Land, rolling.

Soil, gravel and sandy clay.

Timber, widely scattered juniper.

Point for the N. $\frac{1}{4}$ sec. cor. of sec. 36 is on the Third Standard Parallel South and at midpoint on the N. bdy. of sec. 36.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 4 ins. in the ground to bedrock and in a mound of stone to top, 4 ft. base, with brass mkd.

T15S R13W

$\frac{1}{4}$ S36

T15 $\frac{1}{2}$ S

1959

From this cor., the standard cor. of secs. 35 and 36 bears W., 5.89 chs., dist., an iron post, 2 ins. diam., set, mkd. and witnessed as described in the official record.

From the cor. of secs. 4, 5, 32 and 33 on the S. bdy. of the Tp., iron post, $2\frac{1}{2}$ ins. diam., set, mkd. and witnessed as described in field notes of the survey of T. 16 S., R. 13 W.

N. $0^{\circ} 03'$ W., bet. secs. 32 and 33.

Over broken mountainous land, through medium dense timber; desc. 160 ft. over N. slope.

7.90 Thence by triangulation, topography estimated, over precipitous N. slope.

20.00 Bottom of canyon, drains NE.; asc. over precipitous S. slope.

40.00 End of triangulation; point for the $\frac{1}{4}$ sec. cor. of secs. 32 and 33.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 12 ins. in the ground to bedrock and in a mound of stone to top, 3 ft. base, with brass mkd.

T15 $\frac{1}{2}$ S R13W

S32 S33

1959

Asc. 240 ft. over steep S. slope.

51.60 Top of ascent bears E. and W.; desc. 100 ft. over N. slope.

64.81 Intersect the Third Standard Parallel South.

Point for the closing cor. of secs. 32 and 33.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground to bedrock and in a mound of stone to top, $3\frac{1}{2}$ ft. base, with brass cap mkd.

Portion of T. 16 S., R. 13 W.

Chains

T156 R13W

S32

S32 | S33

T154S

C C

1959

From this cor., the standard $\frac{1}{4}$ sec. cor. of sec. 32 bears W., 5.81 chs. dist., an iron post, 1 in. diam., set, mkd. and witnessed as described in the official record.

Land, mountainous.

Soil, light clay and exposed limestone.

Timber, medium dense pinon and juniper.

From the cor. of secs. 5, 6, 31 and 32 on the S. bdy. of the Tp., an iron post, $2\frac{1}{2}$ ins. diam., set, mkd. and witnessed as described in the field notes of the survey of T. 16 S., R. 13 W.

N. $0^{\circ} 03' W.$, bet. secs. 31 and 32.

Over broken, mountainous land, through scattered timber; desc. 40 ft. over NW. slope.

6.70 Base of descent, drains W.; asc. 40 ft. over SW. slope.

11.40 Spur, bears W.; desc. 40 ft. over N. slope.

12.90 Thence by triangulation; topography estimated; desc. over precipitous N. slope.

28.00 Base of descent, bears E. and W.

33.00 Bottom of small canyon, drains NW.

40.00 End of triangulation; base of steep ascent, bears E. and W.

Point for the $\frac{1}{4}$ sec. cor. of secs. 31 and 32.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground to bedrock and in a mound of stone to top, 4 ft. base, with brass cap mkd.

T154S R13W

$\frac{1}{4}$

S31 | S32

1959

Asc. 280 ft, over steep S. slope.

49.60 Spur, bears W.; desc. 310 ft. over steep N. slope.

60.70 Ravine, drains W.; asc. 30 ft. over S. slope.

64.62 Intersect the Third Standard Parallel South.

Point for the closing cor. of secs. 31 and 32.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 10 ins. in the ground to bedrock and in a mound of stone to top, $3\frac{1}{2}$ ft. base, with brass cap mkd.

Portion of Subdivision, T. 15 S., R. 13 W.

Chains

T15S R13W
S31
 S31|S32
 T15½S
 C C
 1959

From this cor. the standard ¼ sec. cor. of sec. 31, bears W., 6.01 chs. dist., an iron post, 1 in. diam., set, mkd. and witnessed as described in the official record.

Land, broken, mountainous.
 Soil, clay and exposed limestone.
 Timber, scattered juniper and mahogany brush.

Point for the N. ¼ sec. cor. of sec. 32 is on the Third Standard Parallel South and at midpoint on the N. bdy. of sec. 32.

Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to bedrock and in a mound of stone to top, 3½ ft. base, with brass cap mkd.

T15S R13W
¼ S32
 T15½S
 1959

From this cor., the Standard cor. of secs. 31 and 32, bears W., 5.9 chs. dist., an iron post, 2 ins. diam., set, mkd. and witnessed as described in the official record.

Point for the N. ¼ sec. cor. of sec. 31 is on the Third Standard Parallel South and at a westing of 40 chs. from the closing cor. of secs. 31 and 32.

Set an iron post, 30 ins. long, 2½ ins. diam., 2 ins. in the ground to bedrock and in a mound of stone to top, 3 ft. base, with brass cap mkd.

T15S R13W
¼ S31
 T15½S
 1959

From this cor. the Standard Tp. cor. of T. 15 S., R. 13 & 14 W., bears 6.01 chs. dist., an iron post, 3 ins. diam., set, mkd. and witness as described in the official record.

General Description

The land within this township is divided by the Hous Range Mountains which bear northerly through the township, dividing the drainage east and west into the valleys. The eastern portion of the township is rolling desert land. The elevation varies from 5,400 feet above sea level in the desert to 8,500 feet above sea level on the mountains.

The soil varies from gravel and light clay on the desert to clay and exposed limestone on the mountains.

The timber is composed of pinon, juniper and mahogany brush of little commercial value.

Township 15 $\frac{1}{2}$ S., R. 13 West

Chains

Principal users of the area are sheepmen and access into the township is provided by desert roads.

Access into the survey lines was provided by helicopters.

No mineral formations of consequence were noted during the survey.

Chen

1941

1941-1942 (1941-1942)

1941-1942 (1941-1942)

1941-1942 (1941-1942)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Jerry Knight	Notekeeper
R. Gordon Shurtz	Chainman
Ga. T. Oviatt	Flagman
Gary Hardy	Cornerman
Douglas Lovell	Cornerman
James R. Munson	Transitman
Wallace R. Ott	Chainman
Jerry Lee Thomas	Flagman
Clarence N. Carleton	Cornerman

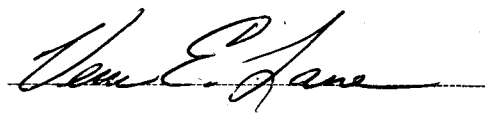
CERTIFICATE OF CADASTRAL ENGINEER

I, Vern E. Lane, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 15th day of August, 1960, Supplemental special instructions dated 29th day of June, 1960, I have ~~surveyed~~ supervised the survey of the east boundary and a portion of the sub-division of T. 15½ S., R. 13 W.

of the Salt Lake Meridian, in the State of Utah, which ~~was made under my direction~~ under my supervision represented in the foregoing field notes as having been executed ~~by me and under my direction~~; and that said survey has been made in strict conformity with said instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

Salt Lake City, Utah

April 27, 1960


Vern E. Lane - Cadastral Surveyor

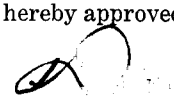
CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., DEC 9 1960, 1960

The foregoing field notes of the survey of the east boundary and a portion of the sub-division of T. 15½ S., R. 13 W., Salt Lake Meridian, Utah

executed by Eldon W. Sibley, Cartographic Survey Aid
Lacel E. Bland, Cadastral Surveyor, under the supervision of
Vern E. Lane, Cadastral Surveyor
having been critically examined and found correct, are hereby approved.


Cadastral Engineering Staff Officer.

CERTIFICATE OF TRANSCRIPT

I certify that the foregoing transcript of the field notes and instructions is a true copy of the original field notes.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ORIGINAL

FIELD NOTES

OF THE

SURVEY

OF THE EAST BOUNDARY

AND A PORTION OF THE SUBDIVISION

OF

TOWNSHIP 15½ SOUTH, RANGE 14 WEST

Of the Salt Lake Meridian,

the State of Utah

EXECUTED BY

Vern E. Lane, Cadastral Surveyor (Chief of Party)

Eldon W. Sibley, Cartographic Survey Aid

Lacel E. Bland, Cadastral Surveyor

Under special instructions dated August 15, 1936, which provided
Supplemental special instructions June 29, 1954
for the surveys included under Group No. 275, approved September 22, 1936
July 15, 1954

assignment instructions dated July 27, 1959

Survey commenced October 9, 1959

Survey completed November 4, 1959

INDEX DIAGRAM

Township 15½ South, Range 14 West

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31	4 32	3 33	34	35	2 36

GPO 866118

Lacel E. Bland _____

Eldon W. Sibley _____

Township 15½ South, Range 14 West

Chains

The north boundary, Third Standard Parallel South, through R. 14 W., was surveyed by Gentry and McConkie in 1937. The south and west boundaries were surveyed concurrently and are described in the field notes of T. 16 S., R. 14 W. and T. 15½ S., R. 15 W., respectively.

The following field notes are those of the survey of the east boundary and a portion of the subdivision of T. 15½ S., R. 14 W., deemed sufficient to facilitate the development of the natural resources and mark the boundaries of those sections that are normally considered state school sections.

The survey was executed with W. & L. E. Gurley Solar Transit Nos. 491037 and 580515 constructed in accordance with the standard instrumental specifications of the Bureau of Land Management. The instruments were in good condition prior to the beginning of the survey and was maintained in proper adjustment throughout the progress of this survey.

Corners on east-west lines were set on the true latitudinal curve. Lines connecting previously established corners were run by random and true method, but for simplification of the record the random lines are omitted from the field notes. In accordance with the intent of the special instructions, all subdivisional corners established are calculated to be at the position they would occupy if the entire township were subdivided.

Measurements herein contained were made with a narrow steel tape, 8 chains in length, graduated every link for the first 100 links and thereafter at intervals of 10 links. The tape was tested by comparison with a 1 chain standard steel tape and found to be correct. Measurements were made on the slope with the vertical angle of each interval ascertained by a clinometer in good adjustment; horizontal equivalents alone are entered in the field notes. All lines of this survey were run by direct method.

The direction of the lines of this survey were determined by reference to true meridians established on line by hour angle observations on Polaris or altitude observations on the sun. The lines were carried forward by sustained angulation being supplemented by other numerous altitude observations on the sun taken throughout the progress of the survey.

The geographic position for the southeast corner of the township is at latitude 39° 27' 12.7" N. and longitude 113° 21' 43.3" W. as adjusted along section lines from traverses to U. S. G. S. stations Confusion and Water Tank, located near the crossroads at Painter Springs.

The magnetic declination was read at a number of stations throughout the township and the average of these readings was found to be 16° 30' East.

Survey of the East Boundary, T. 15½ S., R. 14 W.

Beginning at the cor. of Tps. 15½ and 16 S., Ra. 13 and 14 W., an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the field notes of the survey of T. 16 S., R. 14 W.

North, bet. secs. 31 and 36.

Over broken land; along broken W. slope.

Point for the ¼ sec. cor. of secs. 31 and 32.

Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground, with brass cap mkd.

Survey E. . . . T. 15 S., R. 14 W.

Chains

T15½S
R14W R13WS36|S31
1959

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

Desc. 60 ft. along rolling W. slope.

64.42 Intersect the Third Standard Parallel South.

Point for the closing cor. of T. 15½ S., Rs. 13 and 14 W.

Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground to bedrock and in a mound of stone to top, 3 ft. base, with brass cap mkd.

T15S R14W

S36
S36|S31

T15½S

C C

1959

From this cor., the standard cor. of T. 15 S., Rs. 13 and 14 W., E., 8.90 chs. dist., an iron post, 3 ins. diam., set, mkd. and witnessed as described in the official record.

Land, broken and rolling.

Soil, clay and rocky.

Timber, none.

Survey of a Portion of the Subdivision of T. 15½ S., R. 14 W.

From the cor. of secs. 1, 2, 35 and 36 on the S. bdy. of the Tp., iron post, 2½ ins. diam., set, mkd. and witnessed as described in field notes of T. 16 S., R. 14 W.

N. 0° 01' W., bet. secs. 35 and 36.

Over rolling land, draining W.

5.70 Wash, 70 lks. wide, 6 ft. deep, drains W.

23.50 Wash, 60 lks. wide, 6 ft. deep, drains W.

40.00 Point for the ¼ sec. cor. of secs. 35 and 36.

Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground to bedrock and in a mound of stone to top, 3 ft. base, with brass cap mkd.

T15½S R14W

S35|S36

1959

Cont. over rolling land, draining W.

64.37 Intersect the Third Standard Parallel South.

Point for the closing cor. of secs. 35 and 36.

Set an iron post, 30 ins. long, 2½ ins. diam., 18 ins. in the ground and in a mound of stone to top, 2½ ft. base, with brass cap mkd.

Survey. Portion of Subdivision, T. 15 $\frac{1}{2}$ S., R. 14 W.

Chains

T15S R14W

S35 | S36

T15 $\frac{1}{2}$ S R14W

C. C.

1959

From this cor., the Standard cor. of secs. 35 and 36, bears E., 9.09 chs. dist., an iron post, 2 ins. diam., set, mkd., and witnessed as described in the official record.

Land, rolling.

Soil, gravel and light clay.

Timber, none.

Point for the N. $\frac{1}{4}$ sec. cor. of sec. 36 is on the Third Standard Parallel South and at midpoint on the N. bdy. of sec. 36.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 6 ins. in the ground to bedrock and in a mound of stone to top, 4 ft. base, with brass cap mkd..

T15S R14W

$\frac{1}{4}$ S36

T15 $\frac{1}{2}$ S R14W

1959

From this cor., the Standard $\frac{1}{4}$ sec. cor. of sec. 36, bears E., 9.00 chs. dist., an iron post, 1 in. diam., set, mkd., and witnessed as described in the official record.

From the cor. of secs. 4, 5, 32 and 33 on the S. bdy. of the Tp., an iron post, 2 $\frac{1}{2}$ ins. diam., set, mkd., and witnessed as described in the field notes of T. 16 S., R. 14 W.

N. 0° 03' W., bet. secs. 32 and 33.

Over nearly level desert land.

Point for the $\frac{1}{4}$ sec. cor. of secs. 32 and 33.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T15 $\frac{1}{2}$ S R14W

S32 | S33

1959

Raise a mound of stone, 2 $\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.

Cont. over nearly level desert land.

Intersect the Third Standard Parallel South.

Point for the closing cor. of secs. 32 and 33.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T15S R14W

S32

S32 | S33

T15 $\frac{1}{2}$ S

C. C.

1959

Portion of Subdivision, T. 16 S., R. 14 W.

Chains

Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, S. of cor.

From this cor., the Standard cor. of secs. 32 and 33, bears E. 9. chs. dist., an iron post, 2 ins. diam., set, mkd. and witnessed as described in the official record.

Land, nearly level desert.

Soil, sandy clay and alkali.

Timber, none.

From the cor. of secs. 5, 6, 31 and 32 on the S. bdy. of the Tp., iron post, $2\frac{1}{2}$ ins. diam., set, mkd. and witnessed as described in field notes of T. 16 S., R. 14 W.

N. $0^{\circ} 03'$ W., bet. secs. 31 and 32.

Over nearly level desert land.

40.00 Point for the $\frac{1}{2}$ sec. cor. of secs. 31 and 32.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground with brass cap mkd.

T15 $\frac{1}{2}$ S R14W

$\frac{1}{2}$
S31|S32
1959

Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.

Cont. over nearly level desert land.

64.34 Intersect the Third Standard Parallel South.

Point for the closing cor. of secs. 31 and 32.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground with brass cap mkd.

T15S
S31
S31|S32
T15 $\frac{1}{2}$ S R14W
C C
1959

Raise a mound of stone, 2 ft. base, 2 ft. high, S. of cor.

From this cor., the standard cor. of secs. 31 and 32, bears E., 9.12 chs. dist., an iron post, 2 ins. diam., set, mkd., and witnessed as described in the official record.

Land, nearly level desert.

Soil, sandy clay and alkali.

Timber, none.

Point for the N. $\frac{1}{2}$ sec. cor. of sec. 32 is on the Third Standard Parallel South and at midpoint on the N. bdy. of sec. 32.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground with brass cap mkd.

Survey, Portion of Subdivision, T. 15½ S., R. 14 W.

Chains

T15S

½ S32
T15½S R14W
1959

Raise a mound of stone, 2 ft. base, 2 ft. high, S. of cor.

From this cor., the standard ½ sec. cor. of sec. 32, bears E., 9.10 chs. dist., an iron post, 1 in. diam., set, mkd. and witnessed as described in the official record.

Point for the N. ½ sec. cor. of sec. 31 is on the Third Standard Parallel South and at a westing of 40 chs. from the closing cor. of secs. 31 and 32.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T15S R14W

½ S31
T15½S
1959

Raise a mound of stone, 2 ft. base, 2 ft. high, S. of cor.

From this cor., the standard ½ sec. cor. of sec. 31, bears E., 9.12 chs. dist., an iron post, 1 in. diam., set, mkd., and witnessed as described in the official record.

General Description

The land within this township is rolling desert land with the east boundary on the west slope of the House Range Mountains. The elevation varies from 6,200 feet above sea level to 4,600 feet above sea level on the desert.

The soil varies from clay and rock on the higher elevations to sandy clay and alkali on the desert.

There is no timber in this township.

Principal users of the area are sheepmen and access into the township is provided by desert roads.

No mineral formations of consequence were noted during the survey.

CERTIFICATE OF CADASTRAL ENGINEER

I, Vern E. Lane, HEREBY CERTIFY upon honor that, pursuant to special instructions bearing date of the 15th day of August, 1960, Supplemental special instructions dated 29th day of June, 1960, I have ~~surveyed~~ supervised the survey of the east boundary and a portion of the subdivision of T. 15½ S., R. 14 W.

of the Salt Lake Meridian, in the State of Utah, which ~~is represented in the foregoing field notes as having been executed by me and under my supervision~~ under my supervision said survey has been made in strict conformity with said instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

Salt Lake City, Utah

April 27, 1960

Vern E. Lane - Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., DEC 9 1960, 1960

The foregoing field notes of the survey of the east boundary and a portion of the subdivision of T. 15½ S., R. 14 W., Salt Lake Meridian, Utah

executed by Eldon W. Sibley, Cartographic Survey Aid
Lacel E. Bland, Cadastral Surveyor, under the supervision of
Vern E. Lane, Cadastral Surveyor
having been critically examined and found correct, are hereby approved.

Cadastral Engineering Staff Officer.

CERTIFICATE OF TRANSCRIPT

~~I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in~~
~~is a true copy of the original field notes.~~

Cadastral Engineering Staff Officer

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ORIGINAL

FIELD NOTES

OF THE

SURVEY

OF A PORTION OF THE SUBDIVISION

OF

TOWNSHIP 16 SOUTH, RANGE 12 WEST

Of the Salt Lake Meridian,

the State of Utah

EXECUTED BY

Vern E. Lane, Cadastral Surveyor (Chief of Party)

Lacel E. Bland, Cadastral Surveyor

Eldon W. Sibley, Cartographic Survey Aid

der special instructions dated August 15, 1936, which provided
supplemental special instructions dated June 29, 1954
the surveys included under Group No. 275, approved September 22, 1936
July 15, 1954
assignment instructions dated July 27, 1959

Survey commenced August 19, 1959

Survey completed August 21, 1959

INDEX DIAGRAM

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6	5	4	6	3	8	2	8	1
						9		
7	8	9	5	10		11		12
		11						
13	17	10	16	4	15	14		18
		10						
19	20	21	4	22		23		24
25	26	28	3	27		29		35
	13							2
31	12	22	11	23	2	24		36
						25	1	

GPO 806110

Lacel E. Bland

Eldon W. Sibley

Township 16 South, Range 12 West

Chains

The east and north boundaries, Third Standard Parallel South, were surveyed by Joseph Gorlinski in 1880 and independently resurveyed by Sidney Reese in 1936 and 1937. The south and west boundaries were surveyed concurrently and are described in the field notes of T. 17 S. R. 12 W., and Ts. 15½ and 16 S., R. 13 W., respectively.

The following field notes are those of the survey of a portion of the subdivision of T. 16 S., R. 12 W., deemed sufficient to facilitate the development of the natural resources and mark the boundaries of those sections that are normally considered state school sections.

The survey was executed with W. & L. E. Gurley Solar Transit Nos. 491037 and 580515 constructed in accordance with the standard instrumental specifications of the Bureau of Land Management. The instruments were in good condition prior to the beginning of the survey and were maintained in proper adjustment throughout the progress of this survey.

Corners on the east-west lines were set on the true latitudinal curve. Lines connecting previously established corners were run by random and true method, but for simplification of the record the random lines are omitted from the field notes. In accordance with the intent of the special instructions, all subdivisional corners established are calculated to be at the position they would occupy if the entire township were subdivided.

Measurements herein contained were made with a narrow steel tape, 8 chains in length, graduated every link for the first 100 links and thereafter at intervals of 10 links. The tape was tested by comparison with a 1 chain standard steel tape and found to be correct. Measurements were made on the slope with the vertical angle of each interval ascertained by a clinometer in good adjustment; horizontal equivalents alone are entered in the field notes. All lines of this survey were run by direct method.

The direction of the lines of this survey were determined by reference to true meridians established on line by hour angle observations on Polaris or altitude observations on the sun. The lines were carried forward by sustained angulation being supplemented by other numerous altitude observations on the sun taken throughout the progress of the survey.

The geographic position for the southeast corner of the township is at latitude 39° 22' 30.2" N. and longitude 113° 08' 32.9" W. as adjusted from traverses along section lines from U. S. G. S. station Water Tank, located near the crossroads at Painter Springs and U. S. C. & G. S. BM H-74.

The magnetic declination was read at a number of stations throughout the township and the average of these readings was found to be 16° 30' East.

Survey of a Portion of the Subdivision, T. 16 S., R. 12 W.

Beginning at the cor. of secs. 1, 2, 35 and 36 on the S. bdy. of the Tp., an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the field notes of T. 17 S., R. 12 W.

N. 0° 01' W., bet. secs. 35 and 36.

Over nearly level desert land.

40.00 Point for the ½ sec. cor. of secs. 35 and 36.

Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground, with brass cap mkd.

Survey, Portion of Subdivision, T. 16 S., R. 12 W.

Chains

T16S R12W

 $\frac{1}{4}$
 S35|S36
 1959

Raise a mound of stone, 2 ft. base, 2 ft. high, W. of cor.

Cont. over nearly level land.

.74.10 Trail road, bears S. 60° E. and N. 60° W.

80.00 Point for the cor. of secs. 25, 26, 35 and 36.

Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground, with brass cap mkd.

T16S R12W

 $\frac{1}{4}$
S26|S25
S35|S36
 1959

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

Land, nearly level.

Soil, sandy.

Timber, none.

From the cor. of secs. 25, 30, 31 and 36 on the E. bdy. of the Tp., an iron post, 2 ins. diam., set, mkd. and witnessed as described in the official record.

N. 89° 59' W., bet. secs. 25 and 36.

Over nearly level desert land.

39.94 Point for the ¼ sec. cor. of secs. 25 and 36.

Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground, with brass cap mkd.

T16S R12W

 $\frac{1}{4}$
S25
S36
 1959

Raise a mound of stone, 4 ft. base, 2 ft. high, N. of cor.

Cont. over nearly level desert land.

54.50 Graded road, bears N. 20° W. and S. 20° E.

55.30 Fence, 4 strand bard, bears N. 20° W. and S. 20° E.

79.88 The cor. of secs. 25, 26, 35 and 36.

Land, nearly level.

Soil, sandy.

Timber, none.

From the cor. of secs. 3, 4, 33 and 34 on the S. bdy. of the Tp., an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the field notes of T. 17 S., R. 12 W.

N. 0° 02' W., bet. secs. 33 and 34.

Portion of Subdivision, T. 16 S., R. 12 W.

Chains

Over rolling land, bears SE. and W.; asc. 160 ft. over S. slope.

4.90 Base of ascent, bears SE. and W.; asc. 160 ft. over S. slope.

16.40 Top of ascent, bears E. and W., 50 lks. to end; desc. 230 ft. over N. slope.

25.70 Base of descent, bears N. 70° E. and W.; thence over gradual N. slope.

27.30 Trail road, bears E. and W.; desc. 40 ft. over N. slope.

32.50 Wash, 20 lks. wide, 3 ft. deep, drains N. 80° E.; thence over rolling desert land, draining NE.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 33 and 34.

Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to bedrock and in a mound of stone to top, 3½ ft. base, with brass cap mkd.

T16S R12W

S33|S34

1959

Cont. over rolling land, draining NE.

58.00 Trail road, bears SE. and NW.

62.10 Wash, 20 lks. wide, 3 ft. deep, drains NE.

72.00 Small wash, drains E.; thence over rolling land, draining E.

80.00 Point for the cor. of secs. 27, 28, 33 and 34.

Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to bedrock and in a mound of stone to top, 3½ ft. base, with brass cap mkd.

T16S R12W

S28|S27

S33|S34

1959

Land, rolling.

Soil, sandy, gravelly and rocky.

Timber, none.

N. 0° 02' W., bet. secs. 27 and 28.

Over rolling desert land, draining E.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 27 and 28.

Set an iron post, 30 ins. long, 2½ ins. diam., 9 ins. in the ground to bedrock and in a mound of stone to top, 3½ ft. base, with brass cap mkd.

T16S R12W

S28|S27

1959

Cont. over rolling desert land, draining E.

50.80 Wash, 10 lks. wide, 2 ft. deep, drains E.

Survey, Portion of Subdivision, T. 16 S., R. 12 W.

Chains	
80.00	Point for the cor. of secs. 21, 22, 27 and 28. Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground to bedrock and in a mound of stone to top 3½ ft. base, with brass cap mkd. T16S R12W S21 S22 S28 S27 1959 Land, rolling desert, draining E. Soil, sandy, gravelly and rocky. Timber, none. N. 0° 02' W., bet. secs. 21 and 22. Over rolling desert land, draining E. 6.00 Trail road, bears SE. and NW. 11.10 Wash, 40 lks. wide, 2 ft. deep, drains S. 80° E. 28.00 Small wash, drains E. 36.60 Wash, 10 lks. wide, 5 ft. deep, drains E. 40.00 Point for the ¼ sec. cor. of secs. 21 and 22. Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd. T16S R12W S21 S22 1959 Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor. Cont. over rolling desert land, draining E. 59.00 Wash, 50 lks. wide, 3 ft. deep, drains E. 80.00 Point for the cor. of secs. 15, 16, 21 and 22. Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd. T16S R12W S16 S15 S21 S22 1959 Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor. Land, rolling desert, draining E. Soil, sandy and gravelly. Timber, none. N. 0° 02' W., bet. secs. 15 and 16. Over gently rolling desert land, draining E. 8.00 Small wash, drains E.

Position of Subdiv. T.16 S. R.12 W.

Chains

- 30.80 Small wash, drains S. 80° E.
 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 15 and 16.
 Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground,
 with brass cap mkd.

T16S R12W

S16 | S15
 1959

- Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor.
 Cont. over gently rolling desert land, draining E.
 56.20 Graded road, bears N. 80° E. and S. 80° W.
 71.30 Wash, 30 lks. wide, 3 ft. deep, drains E.
 80.00 Point for the cor. of secs. 9, 10, 15 and 16.
 Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground,
 with brass cap mkd.

T16S R12W

S 9 | S10
 S16 | S15
 1959

- Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor.
 Land, gently rolling, draining E.
 Soil, sandy and gravelly.
 Timber, none.

N. 0° 02' W., bet. secs. 9 and 10.

Over gently rolling land, draining E.

- 24.10 Wash, 20 lks. wide, 3 ft. deep, drains E.
 26.60 Graded road, bears N. 80° E. and S. 80° W.
 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 9 and 10.
 Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground,
 with brass cap mkd.

T16S R12W

S 9 | S10
 1959

Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor.

Cont. over gently rolling land, draining E.

- 77.90 Wash, 20 lks. wide, 3 ft. deep, drains E.
 80.00 Point for the cor. of secs. 3, 4, 9 and 10.
 Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground
 and in a collar of stone, with brass cap mkd.

Portion of Subdivision No. 16 S. 33 E. 12 W.

Chains

T16S R12W

$\frac{8.4}{8.9} | \frac{8.3}{8.10}$

1959

Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor.

Land, gently rolling, draining E.

Soil, sandy and gravelly.

Timber, none.

N. 0° 02' W., bet. secs. 3 and 4.

Over gently rolling land, draining NE.

12.20 Fence, 4 strand barb, bears SE. and NW.

14.10 Graded road, bears SE. and NW.

40.00 Point for the ¼ sec. cor. of secs. 3 and 4.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T16S R12W

¼

$\frac{S. 4}{S. 4} | \frac{S. 3}{S. 3}$

1959

Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor.

Cont. over gently rolling land, draining NE.

57.10 Wash, 20 lks. wide, 3 ft. deep, drains E.

80.00 Point for the 1/16 sec. cor. of secs. 3 and 4.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T16S R12W

1/16

$\frac{S. 4}{S. 4} | \frac{S. 3}{S. 3}$

1959

Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor.

81.20 Wash, 20 lks. wide, 3 ft. deep, drains N. 80° E.

98.17 Intersect the Third Standard Parallel South.

Point for the closing cor. of secs. 3 and 4.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T15S R12W

S33

$\frac{S. 4}{S. 4} | \frac{S. 3}{S. 3}$

T16S

C C

1959

Raise a mound of stone, 3 ft. base, 2 ft. high, S. of cor.

From this cor., the standard ¼ sec. cor. of sec. 33 bears W., 9.66 chs. dist., an iron post, 1 in. diam., set, mkd. and witnessed as described in the official record.

Survey Portion of T. 216 S. R. 12 W.

Chains

Land, gently rolling, draining NE.
Soil, sandy, clay and gravelly.
Timber, none.

The point for the sec. cor. of secs. 1 and 2 is on the Third Standard Parallel South, and at proportionate dist. bet. the NE. cor. of the Tp. and the closing cor. of secs. 3 and 4.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T15S R12W

S35

S 2 | S 1

T16S

1959

Raise a mound of stone, 2 ft. base, 2 ft. high, S. of cor.

From this cor., the standard $\frac{1}{2}$ sec. cor. of sec. 35, bears W. 9.30 chs. dist., an iron post, 1 in. diam., set, mkd. and witnessed as described in the official record.

The point for the N. $\frac{1}{2}$ sec. cor. of sec. 2 is on the Third Standard Parallel South and at midpoint on the N. bdy. of sec. 2.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T15S R12W

$\frac{1}{2}$ S 2

T16S

1959

Raise a mound of stone, 2 ft. base, 2 ft. high, S. of cor.

From this cor., the standard sec. cor. of secs. 34 and 35, bears W., 9.39 chs. dist., an iron post, 2 ins. diam., set, mkd. and witnessed as described in the official record.

The point for the sec. cor. of secs. 2 and 3 is on the Third Standard Parallel South and at proportionate dist. bet. the NE. cor. of the Tp. and the closing cor. of secs. 3 and 4.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T15S R12W

S34

S 3 | S 2

T16S

1959

Raise a mound of stone, 2 ft. base, 2 ft. high, S. of cor.

From this cor., the standard $\frac{1}{2}$ sec. cor. of sec. 34, bears W., 9.48 chs. dist., an iron post, 1 in. diam., set, mkd. and witnessed as described in the official record.

Survey Portion of T. 16 S. R. 12 W.

Chains	
	From the cor. of secs. 1 and 2 on the N. bdy. of the Tp., herein- before described.
	S. 0° 01' E., bet. secs. 1 and 2.
	Over nearly level land.
18.44	Point for the 1/16 sec. cor. of sec. 1 and 2.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the with brass cap mkd.
	T16S R12W 1/16 S 2 S 1 1959
	Raise a mound of stone, 2 ft. base, 2 ft. high, W. of cor.
	Cont. over nearly level land.
47.40	Wash, 20 lks. wide, 4 ft. deep, drains S. 15° E.
58.44	Point for the ¼ sec. cor. of secs. 1 and 2.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.
	T16S R12W ¼ S 2 S 1 1959
	No available accessories.
	Cont. over nearly level land.
98.44	Point for the cor. of secs. 1, 2, 11 and 12.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.
	T16S R12W S 2 S 1 S11 S12 1959
	Raise a mound of stone, 2 ft. base, 2 ft. high, W. of cor.
	Land, nearly level.
	Soil, clay and sand.
	Timber, none.
	From the cor. of secs. 2 and 3 on the N. bdy. of the Tp., described.
	S. 0° 01' E., bet. secs. 2 and 3.
	Over gently rolling land, draining NE.
18.31	Point for the 1/16 sec. cor. of secs. 2 and 3.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

Portion of Subdi. T. 16 S., R. 12 W.

Chains

T16S R12W

1/16

S 3 | S 2

1959

Raise a mound of stone, 2 ft. base, 2 ft. high, W. of cor.

Cont. over gently rolling land, draining NE.

58.31 Point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 3.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T16S R12W

$\frac{1}{4}$

S 3 | S 2

1959

Raise a mound of stone, 2 ft. base, 2 ft. high, W. of cor.

Cont. over gently rolling land, draining NE.

69.70 Wash, 20 lks. wide, 3 ft. deep, drains N. 80° E.

72.80 Wash, 10 lks. wide, 3 ft. deep, drains E.

98.31 Point for the cor. of secs. 2, 3, 10 and 11.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T16S R12W

S 3 | S 2

S10 | S11

1959

Raise a mound of stone, 2 ft. base, 2 ft. high, W. of cor.

Land, gently rolling, draining NE.

Soil, sand, clay and gravel.

Timber, none.

From the cor. of secs. 1, 2, 11 and 12.

N. 89° 54' W., bet. secs. 2 and 11.

Over gently rolling land, draining E.; asc. 25 ft.

39.91 Point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 11.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T16S R12W

$\frac{1}{4}$ S 2

S11

1959

Raise a mound of stone, 2 ft. base, 2 ft. high, N. of cor.

Asc. 35 ft. over gently rolling land, draining E.

79.82 The cor. of secs. 2, 3, 10 and 11.

Land, gently rolling, draining E.

Soil, sandy, clay, and gravelly.

Timber, none.

Portion of T. 16 S. R. 12 W.

Chains	
	From the cor. of secs. 15, 16, 21 and 22.
	West, bet. secs. 16 and 21.
	Over gently rolling desert land, draining E.; asc. 80 ft.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 16 and 21.
	Set an iron post, 30 ins. long, $2\frac{1}{4}$ ins. diam., 20 ins. in the ground and in a collar of stone, with brass cap mkd.
	<div style="text-align: center;"> T16S R12W $\frac{1}{4}$ $\frac{S16}{S21}$ 1959 </div>
	Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, N. of cor.
	Cont. over rolling desert land, draining E.; asc. 80 ft.
80.00	Point for the cor. of secs. 16, 17, 20 and 21.
	Set an iron post, 30 ins. long, $2\frac{1}{4}$ ins. diam., 20 ins. in the ground and in a collar of stone, with brass cap mkd.
	<div style="text-align: center;"> T16S R12W $\frac{S17}{S20} \frac{S16}{S21}$ 1959 </div>
	Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.
	Land, gently rolling, draining E.
	Soil, sand, clay and gravel.
	Timber, none.
	N. $0^{\circ} 03'$ W., bet. secs. 16 and 17.
	Over gently rolling land, draining E.
2.00	Wash, 10 lks. wide, 3 ft. deep, drains E.
6.50	Wash, 10 lks. wide, 3 ft. deep, drains E.
24.30	Wash, 20 lks. wide, 3 ft. deep, drains E.
27.80	Graded road, bears N. 80° E. and S. 80° W.
38.60	Small wash, drains E.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 16 and 17.
	Set an iron post, 30 ins. long, $2\frac{1}{4}$ ins. diam., 10 ins. in the ground to bedrock and in a mound of stone to top, 3 ft. base, with brass cap mkd.
	<div style="text-align: center;"> T16S R12W $\frac{1}{4}$ $\frac{S17}{S16}$ 1959 </div>
	Cont. over gently rolling land, draining E.
42.70	Small wash, drains E.
66.90	Graded road, bears N. 70° E. and S. 70° W.

Portion of Subdivision T. 17 S. R. 12 W.

Chains

- 71.80 Small wash, drains S. 80° E.
 76.80 Trail road, bears E. and W.
 80.00 Point for the cor. of secs. 8, 9, 16 and 17.
 Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T16S R12W

S 8 | S 9

S17 | S16

1959

Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor.

Land, gently rolling, draining E.

Soil, sand, clay and gravel.

Timber, none.

From the cor. of secs. 9, 10, 15 and 16.

N. 89° 59' W., bet. secs. 9 and 16.

Over gently rolling desert land, draining E.; asc. 60 ft.

40.005 Point for the ¼ sec. cor. of secs. 9 and 16.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T16S R12W

¼ S 9

¼ S16

1959

Raise a mound of stone, 2 ft. base, 2 ft. high, N. of cor.

Cont. over gently rolling land, draining E.; asc. 40 ft.

60.40 Graded road, bears SW. and NE.; asc. 40 ft. over E. slope.

80.01 The cor. of secs. 8, 9, 16 and 17.

Land, gently rolling desert, draining E.

Soil, sand, clay and gravel,

Timber, none.

From the cor. of secs. 4, 5, 32 and 33 on the S. bdy. of the Tp., set mkd. and witnessed as described in the field notes of T. 17 S., R. 12 W.

N. 0° 03' W., bet. secs. 32 and 33.

Over broken mountainous land, through scattered timber; asc. 100 ft. over SW. slope.

9.20 Top of ascent bears E. and W.; desc. 140 ft. over NE. slope.

ion of T. 16 S.

Chains	
18.90	Wash, 20 lks. wide, 2 ft. deep, drains N. 70° E.; asc. 200 ft. over SE. slope.
29.20	Top of ascent; rim, bears N. 40° E. and S. 40° W.; desc. 390 ft. NW. slope.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 32 and 33. Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the to bedrock and in a mound of stone to top, 3 ft. base, with brass mkd.
	T16S R12W * S32 S33 1959
	Desc. 120 ft. over NW. slope.
50.80	Wash, 30 lks. wide, 3 ft. deep, drains N. 70° E.; asc. 350 ft. over SE. slope.
76.10	Top of ascent, bears E. and W.; desc. 60 ft. over NE. slope.
80.00	Point for the cor. of secs. 28, 29, 32 and 33. Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground to bedrock and in a mound of stone to top, 3½ ft. base, with brass mkd.
	T16S R12W S29 S28 S32 S33 1959
	Land, broken, mountainous. Soil, clay, exposed limestone and sand. Timber, scattered juniper and pinon.
	From the cor. of secs. 5, 6, 31 and 32 on the S. bdy. of the Tp., an iron post, 2½ ins. diam., set, mkd. and witnessed as described in field notes of T. 17 S., R. 12 W.
	N. 0° 03' W., bet. secs. 31 and 32.
	Over broken, mountainous land, through scattered timber; asc. 310 ft. over steep and broken S. slope.
9.70	Top of ascent, bears N. 70° E. and S. 60° W.; desc. 660 ft. over steep and broken NW. slope.
40.00	True point for the $\frac{1}{4}$ sec. cor. of secs. 31 and 32 falls on small 1 facing S., where cor. cannot be perpetuated.
40.10	Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 31 and 32. Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground to bedrock and in a mound of stone to top, 3 ft. base, with brass cap mkd.
	T16S R12W * S31 S32 W C 1959
	Desc. 50 ft. over NW. slope.

Location of T. 16 S., R. 12 W.

Chains

41.20 Wash, 20 lks. wide, 2 ft. deep, drains N. 20° E.; asc. 70 ft. over SE. slope.

46.00 Top of ascent on E. slope; desc. 280 ft. over NE. slope.

68.50 Wash, 40 lks. wide, 2 ft. deep, drains N. 20° E.; asc. 120 ft. over SE. slope.

77.10 Top of ascent on E. slope; desc. 20 ft. over NE. slope.

80.00 Point for the cor. of secs. 29, 30, 31 and 32.

Set an iron post, 30 ins. long, 2½ ins. diam., 14 ins. in the ground to bedrock and in a mound of stone to top, 3 ft. base, with brass cap mkd.

T16S R12W

S30 S29

S31 S32

1959

Land, broken, mountainous.

Soil, clay, exposed limestone, and sand.

Timber, scattered juniper and pinon.

From the cor. of secs. 28, 29, 32 and 33.

S. 89° 57' W., bet. secs. 29 and 32.

Over mountainous land, through scattered timber; asc. 50 ft. over NE. slope.

8.50 Spur, bears N. 40° W.; desc. 220 ft. over W. slope.

26.20 Wash, 20 lks. wide, 2 ft. deep, drains N. 20° E.; asc. 300 ft. over NE. slope.

39.96 Point for the ¼ sec. cor. of secs. 29 and 32.

Set an iron post, 30 ins. long, 2½ ins. diam., 2 ins. in the ground to bedrock and in a mound of stone to top, 3 ft. base, with brass cap mkd.

T16S R12W

¼ S29

¼ S32

1959

Asc. 120 ft. over NE. slope.

44.90 Top of ascent, bears N. 20° W. and S. 20° E.; desc. 270 ft. over W. slope.

55.90 Wash, 30 lks. wide, 3 ft. deep, drains N.; asc. 220 ft. over NE. slope.

79.92 The cor. of secs. 29, 30, 31 and 32.

Land, mountainous.

Soil, clay, sand, and exposed limestone.

Timber, scattered juniper and pinon.

Township 16 North Range 12 West

Chains

General Description

The land within the township is rolling desert, with the s. portion of the township extending onto the mountains. The el varies from 5,100 feet above sea level on the desert to 7,200 feet above sea level on the higher ridges of the mountains. The area drains easterly into Whirlwind Valley.

The soil varies from clay, sand and gravel on the desert to clay and exposed limestone on the mountains.

The timber is composed of scattered pinon and juniper on the higher elevations on the mountains and is of little commercial

An underground aqueduct from Swazey Spring in T. 16 S., R. 13 W. bears northeasterly into the township with numerous outlets to stroughs.

Principal users of the area are sheepmen, for winter range. Access into the township is provided by desert roads.

No mineral formations of consequence were noted during the survey

FIELD ASSISTANTS

16-52585-2

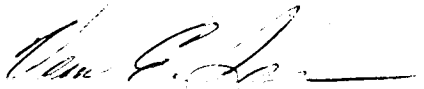
CERTIFICATE OF CADASTRAL ENGINEER

I, Vern E. Lane, HEREBY CERTIFY upon honor that,
pursuance of special instructions bearing date of the 15th day of August
and supplemental special instructions dated 29th day of June
I have ~~successfully~~ ^{correctly} surveyed the corner of a section of the subdivision of T. 16 S.,
R. 12 W.

of the Salt Lake Meridian, in the State of Utah, which
represented in the foregoing field notes as having been executed under my supervision
~~by me and under my direction~~; and
said survey has been made in strict conformity with said instructions, the Manual of Instructions for
Survey of the Public Lands of the United States, and in the specific manner described in the foregoing
field notes.

Salt Lake City, Utah

April 25, 1960



Vern E. Lane - Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., DEC 9 1960, 19

The foregoing field notes of the survey of a portion of the subdivision of T. 16 S., R.
12 W., Salt Lake Meridian, Utah

executed by Lacel E. Bland, Cadastral Surveyor
Eldon W. Sibley, Cadastral Surveyor in Aid, under the supervision of
Vern E. Lane, Cadastral Surveyor
having been critically examined and found correct, are hereby approved.


Cadastral Engineering Staff Officer.

CERTIFICATE OF TRANSCRIPT

The foregoing field notes of the survey of a portion of the subdivision of T. 16 S., R. 12 W., Salt Lake Meridian, Utah
is a true copy of the original of the same.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ORIGINAL

FIELD NOTES

OF THE

SURVEY

OF THE EAST AND NORTH BOUNDARIES

AND A PORTION OF THE SUBDIVISION

OF

TOWNSHIP 16 SOUTH, RANGE 13 WEST

Of the Salt Lake Meridian,

the State of Utah

EXECUTED BY

Vern E. Lane, Cadastral Surveyor (Chief of Party)

Lacel E. Bland, Cadastral Surveyor

Eldon W. Sibley, Cartographic Survey Aid

Under special instructions dated August 15, 1936, which provided
supplemental special instructions dated June 29, 1954
for the surveys included under Group No. 275, approved September 22, 1936
July 15, 1954

and assignment instructions dated July 27, 1959

Survey commenced August 20, 1959

Survey completed November 2, 1959

INDEX DIAGRAM

Township 16 South						Range 13 West	
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GPO 866119

Eldon W. Sibley _____

Lacel E. Bland _____

Township 16 South, Range 13 West

Chains

The south and west boundaries were surveyed concurrently and are described in the field notes of T. 17 S., R. 13 W. and T. 16 S., R. 14 W., respectively.

The following field notes are those of the survey of the east and north boundaries and a portion of the subdivision of T. 16 S., R. 13 W.; deemed sufficient to facilitate the development of the natural resources and mark the boundaries of those sections that are normally considered state school sections.

The survey was executed with W. & L. E. Gurley Solar Transits Nos. 491037 and 580515 constructed in accordance with the standard instrumental specifications of the Bureau of Land Management. The instruments were in good condition prior to the beginning of the survey and were maintained in proper adjustment throughout the progress of this survey.

Corners on east-west lines were set on the true latitudinal curve. Lines connecting previously established corners were run by random and true method, but for simplification of the record the random lines are omitted from the field notes. In accordance with the intent of the special instructions, all subdivisional corners established are calculated to be at the position they would occupy if the entire township were subdivided.

Measurements herein contained were made with a narrow steel tape, 8 chains in length, graduated every link for the first 100 links and thereafter at intervals of 10 links. The tape was tested by comparison with a 1 chain standard steel tape and found to be correct. Measurements were made on the slope with the vertical angle of each interval ascertained by a clinometer in good adjustment; horizontal equivalents alone are entered in the field notes. All lines of this survey were run by direct method where the lines were accessible; lines inaccessible were run by traverse or triangulation methods. Distances to topography on lines run by traverse or triangulation are estimated. The details of such traverses or triangulations have been thoroughly checked and verified, and in order to simplify the record the diagrams and reductions are omitted from these field notes.

The direction of the lines of this survey were determined by reference to true meridians established on line by hour angle observations on Polaris or altitude observations on the sun. The lines were carried forward by sustained angulation being supplemented by other numerous altitude observations on the sun taken throughout the progress of the survey.

The geographic position for the southeast corner of the township is at latitude $39^{\circ} 21' 59.4''$ N. and longitude $113^{\circ} 15' 20.6''$ W. as adjusted from traverses along section lines to U. S. G. S. triangulation station Water Tank near the crossroads at Painter Springs and U. S. C. & G. S. station H-74.

The magnetic declination was read at a number of stations throughout the township and the average of these readings was found to be $16^{\circ} 30'$ East.

Survey of the East Boundary of T. 16 S., R. 13 W.

Beginning at the cor. of Tps. 16 and 17 S., R. 13 W., an iron post, $2\frac{1}{2}$ ins. diam., set, mkd. and witnessed as described in the field notes of T. 17 S., R. 13 W.

North, on the E. bdy. of sec. 36.

Over mountainous land, through scattering timber; desc. 30 ft. along W. slope.

Survey, E. Bdy., T. 16 S., R. 13 W.

Chains	
8.20	Ravine, drains W.; asc. 230 ft. over SW. slope.
24.06	Point for the 1/16 sec. cor. of sec. 6, T. 17 S., R. 12 W. Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the with brass cap mkd.
	<div style="text-align: center;"> T16S T17S R13W R12W 1/16 S 6 80 1959 </div>
	Raise a mound of stone, 3½ ft. base, 2 ft. high, E. of cor.
	Asc. 170 ft. over SW. slope.
40.00	Point for the ¼ sec. cor. of sec. 36, T. 16 S., R. 13 W. Set an iron post, 30 ins. long, 2½ ins. diam., 2 ins. in the ground bedrock and in a mound of stone to top, 3 ft. base, with brass cap
	<div style="text-align: center;"> T16S R17S R13W R12W ¼ S36 1959 </div>
	Asc. 120 ft. over SW. slope.
47.21	The closing cor. of T. 16 and 17 S., R. 12 W., an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the field notes of T. 17 S., R. 12 W.
	Asc. 230 ft. over steep SW. slope.
57.00	Ridge, bears SE. and NW.; desc. 90 ft. along E. slope, through dens timber.
63.10	Spur, bears NE.; desc. 260 ft. over steep NW. slope.
72.50	Base of descent on W. slope; thence along steep W. slope.
79.80	Begin descent over steep N. slope.
80.00	Point for the cor. of secs. 25 and 36, T. 16 S., R. 13 W. Set an iron post, 30 ins. long, 2½ ins. diam., 3 ins. in the ground to bedrock and in a mound of stone to top, 4 ft. base, with brass ca mkd.
	<div style="text-align: center;"> T16S R13W R12W S25 S31 S36 1959 </div>
	Land, mountainous.
	Soil, clay and exposed limestone.
	Timber, scattered to dense pinon and juniper.
	North, on the E. bdy. of sec. 25.
	Over mountain land, through scattered timber; desc. 200 ft. over steep N. slope.

E. Bdy., T. 16 S., R. 13 W.

Chains

7.21 Point for the $\frac{1}{4}$ sec. cor. of sec. 31, T. 16 S., R. 12 W.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 3 ins. in the ground to bedrock and in a mound of stone to top, 4 ft. base, with brass cap mkd.

T16S
R13W R12W

$\frac{1}{4}$
S31

1959

Cor. is located on spur, bears N. 30° W.

Desc. 740 ft. over steep NE. slope.

37.20 Wash in canyon, 50 lks. wide, 4 ft. deep, drains S. 80° E.; asc. 40 ft. over SW. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of sec. 25, T. 16 S., R. 13 W.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 3 ins. in the ground to bedrock and in a mound of stone to top, $3\frac{1}{2}$ ft. base, with brass cap mkd.

T16S
R13W R12W

$\frac{1}{4}$
S25

1959

Asc. 70 ft. over S. slope.

44.20 Slope changes to E. slope; asc. 10 ft. along E. slope.

47.21 Point for the cor. of secs. 30 and 31, T. 16 S., R. 12 W.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground to bedrock and in a mound of stone to top, 4 ft. base, with brass cap mkd.

T16S
R13W R12W

S25 $\frac{S30}{S31}$

1959

Asc. 20 ft. along E. slope.

52.20 Ravine, drains S. 20° E.; asc. 160 ft. over SW. slope.

60.40 Slope changes to steep S. slope; asc. 350 ft.

70.30 Ridge, bears SE.; desc. 200 ft. over NE. slope.

77.10 Base of descent on E. slope; begin ascent over SE. slope.

80.00 Point for the cor. of secs. 24 and 25, T. 16 S., R. 13 W.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground to bedrock and in a mound of stone to top, $3\frac{1}{2}$ ft. base, with brass cap mkd.

T16S
R13W R12W

$\frac{S24}{S25}$ S30

1959

Survey, E. 1/4, T. 16 S., R. 13 W.

Chains	
	Land, mountainous. Soil, clay and exposed limestone. Timber, scattered to medium dense pinon and juniper.
	North, on the E. bdy. of sec. 24. Over mountainous land, through medium dense timber; asc. 50 ft. SE. slope.
5.20	Spur, from ridge, bears E.; desc. 80 ft. over steep N. slope.
7.21	Point for the $\frac{1}{4}$ sec. cor. of sec. 30, T. 16 S., R. 12 W. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground to bedrock and in a mound of stone to top, 4 ft. base, with brass cap
	<div style="text-align: center;"> T16S R13W R12W $\frac{1}{4}$ S30 1959 </div>
	Thence by triangulation, topography estimated; desc. about 500 ft. over steep NE. slope.
18.00	Ravine, drains E.; asc. about 300 ft. over SE. slope.
28.40	End of triangulation; top of ascent, bears NE. and SW.; desc. 370 ft. over steep NW. slope.
40.00	Point for the $\frac{1}{4}$ sec. cor. of sec. 24, T. 16 S., R. 13 W. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 12 ins. in the ground to bedrock and in a mound of stone to top, 3 ft. base, with brass cap mkd.
	<div style="text-align: center;"> T16S R13W R12W $\frac{1}{4}$ S24 1959 </div>
	Desc. 140 ft. over steep NW. slope.
47.21	Point for the cor. of secs. 19 and 30, T. 16 S., R. 12 W. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 14 ins. in the ground to bedrock and in a mound of stone to top, 3 ft. base, with brass cap mkd.
	<div style="text-align: center;"> T16S R13W R12W S24 $\frac{S19}{S30}$ 1959 </div>
	Desc. 50 ft. over NW. slope.
51.00	Base of steep descent, bears NE. and SW.; desc. 120 ft. over rolling land, draining E.
76.70	Small wash, drains E.
80.00	Point for the cor. of secs. 13 and 24, T. 16 S., R. 13 W.

E. T. 16 S. R. 13 W.

Chains

Set an iron post, 30 ins. long, 2½ ins. diam., 9 ins. in the ground to bedrock and in a mound of stone to top, 3½ ft. base, with brass cap mkd.

T16S
R13W R12W

S13
S24 S19

1959

From this point, U.S.L.M. No. 235 bears S. 66° 38' 40" W., 143.02 chs. dist. mkd. by a 12x18x24 ins. limestone, (X) on top, with USLM 235 on W. face. Land, mountainous, S. ¼ mile; rolling, N. ¼ mile. Soil, clay and exposed limestone, S. ¼; light clay and gravel, N. ¼. Timber, medium dense pinon and juniper, S. ¼; scattering juniper and pinon, N. ¼.

North, on the E. bdy. of sec. 13.

Over rolling land, draining NE., through scattering timber.

2.90 Wash, 20 lks. wide, 3 ft. deep, drains N. 80° E.

6.70 Wash, 10 lks. wide, 2 ft. deep, drains E.

7.21 Point for the ¼ sec. cor. of sec. 19, T. 16 S., R. 12 W.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T16S
R13W R12W

¼
S19

1959

Raise a mound of stone, 2½ ft. base, 2 ft. high, E. of cor.

Cont. over rolling land, draining NE.

17.00 Bladed road, bears E. and W.; desc. 70 ft. over rolling land, draining NE.

37.50 Small wash, drains N. 70° E.

40.00 Point for the ¼ sec. cor. of sec. 13, T. 16 S., R. 13 W.

Set an iron post, 30 ins. long, 2½ ins. diam., 5 ins. in the ground to bedrock and in a mound of stone to top, 3½ ft. base, with brass cap mkd.

T16S
R13W R12W

¼
S13

1959

Cont. over rolling land, draining NE.

42.60 Wash, 30 lks. wide, 3 ft. deep, drains N. 80° E.

47.21 Point for the cor. of secs. 18 and 19, T. 16 S., R. 12 W.

Set an iron post, 30 ins. long, 2½ ins. diam., 9 ins. in the ground to bedrock and in a mound of stone to top, 3 ft. base, with brass cap mkd.

T. 16 S., R. 13 W.

Chains

- T16S
R13W R12W
S13 | S18
S19
1959
- 51.00 Wash, 30 lks. wide, 4 ft. deep, drains N. 70° E.
- 72.90 Low spur, bears E.; desc. 40 ft. over N. slope.
- 77.80 Small wash, drains E.; asc. 20 ft. over S. slope.
- 80.00 Point for the cor. of secs. 12 and 13, T. 16 S., R. 13 W.
- Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground to bedrock and in a mound of stone to top, 3½ ft. base, with brass mkd.
- T16S
R13W R12W
S12 | S18
S13 |
1959
- Land, rolling desert.
Soil, light clay and gravel.
Timber, scattered juniper.
- North, on the E. bdy. of sec. 12.
- Over rolling land, draining easterly, through scattered timber.
- .20 Trail road, bears E. and W.
- 1.90 Top of ascent, bears E. and W.; cont. over rolling land, draining E.
- 7.21 Point for the ¼ sec. cor. of sec. 18, T. 16 S., R. 12 W.
- Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground and in a collar of stone, with brass cap mkd.
- T16S
R13W R12W
S13 | S18
1959
- Raise a mound of stone, 2½ ft. base, 2 ft. high, E. of cor.
- 14.10 Trail road, bears N. and SW.
- 20.20 Same road, bears S. and NE.
- 21.80 Wash, 50 lks. wide, 3 ft. deep, drains N. 70° E.
- 31.50 Spur, bears N. 70° E.; desc. 50 ft. over N. slope.
- 36.40 Trail road, bears E. and W.
- 37.60 Wash, 30 lks. wide, 4 ft. deep, drains N. 80° E.
- 40.00 Point for the ¼ sec. cor. of sec. 12, T. 16 S., R. 13 W.
- Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground with brass cap mkd.

Section 16, T. 16 S., R. 13 W.

Chains

T16S
R13W R12W
S12
1959

Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.

42.60 Small wash, drains E.

45.50 Trail road, bears SE. and NW.

47.21 Point for the cor. of secs. 7 and 18, T. 16 S., R. 12 W.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T16S
R13W R12W
S12 | S 7
S18
1959

Asc. 10 ft. over SE. slope.

49.80 Top of ascent, bears E. and W.; desc. 40 ft. over rolling N. slope.

63.00 Small wash, drains E.; asc. 30 ft. over rolling S. slope.

71.70 Top of ascent, bears N. 70° E. and S. 70° W.; thence over rolling land, draining E.

75.20 Leave timber, bears E. and W.

80.00 Point for the cor. of secs. 1 and 12, T. 16 S., R. 13 W.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T16S
R13W R12W
S 1 | S 7
S12
1959

Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.

Land, rolling.

Soil, light clay and gravel.

Timber, scattered juniper.

North, on the E. bdy. of sec. 1.

Over rolling land, draining NE.

7.21 Point for the $\frac{1}{4}$ sec. cor. of sec. 7, T. 16 S., R. 12 W.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

E. 1/2 Sec. 1, T. 16 S., R. 13 W.

Chains

T16S
R13W R12W
1/4
S 7
1959

Raise a mound of stone, 2 1/2 ft. base, 2 ft. high, E. of cor.

Desc. 60 ft. over rolling NE. slope.

28.10 Wash, 1.00 ch. wide, 2 ft. deep, drains N. 60° E.; cont. over rolling land.

40.00 Point for the 1/4 sec. cor. of sec. 1, T. 16 S., R. 13 W.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 20 ins. in the ground and in a collar of stone, with brass cap mkd.

T16S
R13W R12W
1/4
S 1
1959

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

41.80 Wash, 1.00 ch. wide, 2 ft. deep, drains NW.; asc. 10 ft. over SE. slope.

47.21 Point for the cor. of secs. 6 and 7, T. 16 S., R. 12 W.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 24 ins. in the ground with brass cap mkd.

T16S
R13W R12W
S 1 | S 6
S 7
1959

Raise a mound of stone, 2 1/2 ft. base, 2 ft. high, E. of cor.

Asc. 20 ft. over SE. slope.

49.40 Top of ascent, bears E. and W.; thence over rolling land, draining E.

55.80 Wash, 10 lks. wide, 2 ft. deep, drains E.

71.60 Wash, 10 lks. wide, 2 ft. deep, drains E.

80.00 Point for the cor. of Tps. 15 1/2 and 16 S., R. 13 W.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 24 ins. in the ground with brass cap mkd.

T15 1/2 S T16S
R13W R12W
S36
S 1 | S 6
T16S
1959

Raise a mound of stone, 2 1/2 ft. base, 2 ft. high, W. of cor.

Land, rolling.

Soil, light clay and gravel.

Timber, none.

N. 15 $\frac{1}{2}$ S., T. 16 S., R. 13 W.

Chains

Survey of the North Boundary of T. 16 S., R. 13 W.

From the cor. of Tps. 15 $\frac{1}{2}$ and 16 S., R. 13 W., hereinbefore described.

N. 89° 57' W., bet. secs. 1 and 36.

Over rolling land, draining NE.; asc. 40 ft.

20.30 Wash, 10 lks. wide, 4 ft. deep, drains NE.; asc. 10 ft. over E. slope.

23.10 Wash, 10 lks. wide, 2 ft. deep, drains NE.; asc. 60 ft. over rolling NE. slope.

39.20 Trail road, bears SW. and NE.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 1 and 36.Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 12 ins. in the ground to bedrock and in a mound of stone to top, 3 ft. base, with brass cap mkd.T15 $\frac{1}{2}$ S R13W $\frac{1}{4}$ S36

S 1

T16S

1959

Cont. over rolling land, draining NE.

49.30 Small wash, drains N. 20° E.; asc. 30 ft. over SE. slope.

55.00 Top of ascent, bears SW. and NE.; desc. 30 ft. over NW. slope.

67.60 Wash, 20 lks. wide, 2 ft. deep, drains NE.; asc. 110 ft. over SE. slope.

80.00 Top of ascent on S. slope.

Point for the cor. of secs. 1, 2, 35 and 36.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 8 ins. in the ground to bedrock and in a mound of stone to top, 3 ft. base, with brass cap mkd.T15 $\frac{1}{2}$ S R13W

S35 | S36

S 2 | S 1

T16S

1959

Land, rolling.

Soil, sandy, clay and gravel.

Timber, none.

N. 89° 57' W., bet. secs. 2 and 35.

Over mountainous land, through scattered timber; desc. 30 ft. over W. slope.

3.20 Base of descent, bears N. and S.; trail road, bears same; asc. 230 ft. over E. slope.

17.60 Spur, bears NE.; thence along N. slope.

37.50 Wash, 20 lks. wide, 3 ft. deep, drains N. 70° E.; asc. 60 ft. over E. slope.

Survey, N. Rdy., T. 16 S., R. 13 W.

Chains	
40.00	Point for the $\frac{1}{2}$ sec. cor. of secs. 2 and 35. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground to bedrock and in a mound of stone to top, 4 ft. base, with brass cap <div style="text-align: center;">T15$\frac{1}{2}$S R13W $\frac{1}{2}$ $\frac{S35}{S 2}$ T16S 1959</div>
	Asc. 160 ft. over E. slope.
52.80	Ridge, bears S. 70° E., from S. 70° W.; desc. 160 ft. over NW. slope.
70.40	Wash, 20 lks. wide, 3 ft. deep, drains NE.; asc. 130 ft. over E. slope along top of spur.
80.00	Point for the cor. of secs. 2, 3, 34 and 35. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 4 ins. in the ground to bedrock and in a mound of stone to top, 4 ft. base, with brass cap mkd. <div style="text-align: center;">T15$\frac{1}{2}$S R13W $\frac{S34}{S 3}$ $\frac{S35}{S 2}$ T16S 1959</div>
	Land, mountainous. Soil, clay, sand and exposed limestone. Timber, scattered juniper and pinon. N. 89° 57' W., bet. secs. 3 and 34. Over mountainous land, through scattered timber; asc. 200 ft. over slope, along top of spur.
14.80	Slope changes; thence along S. slope of spur.
26.50	Slope changes; asc. 120 ft. over E. slope.
31.20	Spur, bears N. 80° E.; asc. 90 ft. over NE. slope.
40.00	Top of ascent on N. slope. Point for the $\frac{1}{2}$ sec. cor. of secs. 3 and 34. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 10 ins. in the ground to bedrock and in a mound of stone to top, $3\frac{1}{2}$ ft. base, with brass cap mkd. <div style="text-align: center;">T15$\frac{1}{2}$S R13W $\frac{1}{2}$ $\frac{S34}{S 3}$ T16S 1959</div>
	By triangulation, through medium dense timber; desc. about 500 ft. over NW. slope.
60.00	Wash, 30 lks. wide, 3 ft. deep, drains NE.; asc. about 200 ft. over E. slope.

Survey, N. Bdy., T. 16 S., R. 13 W.

Chains

80.00

End of triangulation; point for the cor. of secs. 3, 4, 33 and 34.

Set an iron post, 30 ins. long, 2½ ins. diam., 15 ins. in the ground to bedrock and in a mound of stone to top, 3 ft. base, with brass cap mkd.

T15½S R13W

S33 S34

S 4 | S 3

T16S

1959

Land, mountainous.

Soil, clay and exposed limestone.

Timber, scattered to medium dense pinon and juniper.

N. 89° 57' W., bet. secs. 4 and 33.

Over mountainous land, through medium dense timber; asc. 380 ft. over steep E. slope.

21.90 Top of ascent bears N. and S.; desc. 70 ft. over W. slope.

28.90 Wash, 10 lks. wide, 2 ft. deep, drains S.; asc. 180 ft. over E. slope.

40.00 Point for the ¼ sec. cor. of secs. 4 and 33.

Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground to bedrock and in a mound of stone to top, 4 ft. base, with brass cap mkd.

T15½S R13W

¼ S33

S 4

T16S

1959

Asc. 80 ft. over E. slope.

44.00 Spur, bears N. 10 chs. to end; desc. 150 ft. over W. slope.

54.60 Wash, 20 lks. wide, 2 ft. deep, drains S.; asc. 200 ft. over E. slope.

66.10 Spur, bears N.; desc. 60 ft. over W. slope.

74.30 Small wash, drains N.; asc. 60 ft. over E. slope.

78.30 Small spur, bears N.; thence along N. slope.

80.00 Point for the cor. of secs. 4, 5, 32 and 33.

Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.

T15½S R13W

S32 S33

S 5 | S 4

T16S

1959

Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor.

Land, mountainous.

Soil, clay and exposed limestone.

Timber, medium dense pinon and juniper.

N. Adv. T. 16 S. R. 13

Chains	
	N. 89° 57' W., bet. secs. 5 and 32.
	Over mountainous land, through medium dense timber; by triangulation along N. slope.
6.00	Slope changes to W. slope; desc. about 100 ft.
15.00	Wash, drains NE.; asc. over precipitous E. slope.
40.00	True point for the $\frac{1}{4}$ sec. cor. of secs. 5 and 32 falls on ledgy E. slope of Tatow Knob, where cor. cannot be perpetuated.
41.70	E. rim of Tatow Knob, bears N. and S.
41.90	End of triangulation.
	Point selected for the witness cor. of secs. 5 and 32.
	Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground bedrock and in a mound of stone to top, 4 ft. base, with brass cap mkd.
	<div style="text-align: center;"> T15½S R13W $\frac{1}{4}$ S32 W S 5 C T16S 1959 </div>
	Cont. over mountainous land.
45.60	W. rim of Tatow Knob, bears N. and S.; by triangulation, desc. 800 ft. over ledges and precipitous W. slope.
80.00	End of triangulation.
	Point for the cor. of secs. 5, 6, 31 and 32.
	Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground to bedrock and in a mound of stone to top, 3½ ft. base, with brass cap mkd.
	<div style="text-align: center;"> T15½S R13W S31 S32 S 6 S 5 T16S 1959 </div>
	Land, badly broken, mountainous: Soil, clay and exposed limestone. Timber, medium dense pinon and juniper.
	N. 89° 57' W., bet. secs. 6 and 31.
	Over broken, mountainous land, through scattered timber; desc. 830 over ledges and steep W. slope.
39.48	Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 6 and 31.
	Set an iron post, 30 ins. long, 2½ ins. diam., over a cross (X) on solid rock and in a mound of stone to top, 3½ ft. base, with brass cap mkd.

N. Bdy., T. 16 S., R. 13 W.

Chains

T15S R13W

W $\frac{1}{2}$ S31C $\frac{1}{2}$ S36

T16S

1959

40.00 True point for the $\frac{1}{2}$ sec. cor. of secs. 6 and 31 falls on ledgy W. slope where cor. cannot be perpetuated.

By triangulation; desc. about 400 ft. over ledgy W. slope.

48.00 Ravine, drains SW.; asc. about 100 ft. over E. slope.

54.88 End of triangulation; the cor. of Tps. 15 $\frac{1}{2}$ and 16 S., Rs. 13 and 14 W. an iron post, 2 $\frac{1}{2}$ ins. diam., set, mkd. and witnessed as described in the field notes of T. 16 S., R. 14 W.

Land, badly broken, mountainous.

Soil, clay and exposed limestone.

Timber, scattered pinon and juniper.

Survey of a Portion of the Subdivision of T. 16 S., R. 13 W.

From the cor. of secs. 1, 2, 35 and 36 on the S. bdy. of the Tp., an iron post, 2 $\frac{1}{2}$ ins. diam., set, mkd. and witnessed as described in the field notes of T. 17 S., R. 13 W.

N. 0° 01' W., bet. secs. 35 and 36.

Over broken land; asc. 400 ft. over SE. slope, through scattered timber.

40.00 Point for the $\frac{1}{2}$ sec. cor. of secs. 35 and 36.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 2 ins. in the ground to bedrock, and in a mound of stone to top, 3 $\frac{1}{2}$ ft. base, with brass cap mkd.

T16S R13W

 $\frac{1}{2}$

S35|S36

1959

Asc. 20 ft. over SE. slope.

41.00 Small spur, slopes SW.; desc. 50 ft. over N. slope.

43.20 Small wash, drains SW.; asc. 700 ft. over steep S. slope.

80.00 Point for the cor. of secs. 25, 26, 35 and 36.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 14 ins. in the ground and in a mound of stone to top, 3 ft. base, with brass cap mkd.

T16S R13W

S26|S25

S35|S36

1959

Land, broken.

Soil, shallow clay and exposed limestone.

Timber, medium dense juniper and pinon.

From the cor. of secs. 25 and 36 on the E. bdy. of the Tp.

Survey Portion of Subdivision, T. 16 S. R. 13 W.

	West, bet. secs. 25 and 36.
	Over broken land; desc. 410 ft. over broken NW. slope.
15.00	Wash, 40 lks. wide, 3 ft. deep, drains NW.; asc. about 500 ft. NE. slope.
40.08	Point for the $\frac{1}{4}$ sec. cor. of secs. 25 and 36.
	Set an iron post, 30 ins. long, $2\frac{1}{4}$ ins. diam., 6 ins. in the to bedrock and in a mound of stone to top, $3\frac{1}{4}$ ft. base, with brass cap mkd.
	T16S R13W $\frac{1}{4}$ S25 S36 1959
	Asc. 410 ft. over steep NE. slope.
53.10	Ridge, bears N. 70° W. and S. 70° E.; desc. 150 ft. over SW. slope.
67.90	Wash, 10 lks. wide, 1 ft. deep, drains steeply S.; asc. 120 ft. SE. slope.
80.16	The cor. of secs. 25, 26, 35 and 36.
	Land, broken. Soil, shallow clay and exposed limestone. Timber, dense juniper and pinon.
	From the cor. of secs. 3, 4, 33 and 34 on the S. bdy. of the Tp., iron post, $2\frac{1}{4}$ ins. diam., set, mkd. and witnessed as described in field notes of T. 17 S., R. 13 W.
	N. 0° 02' W., bet. secs. 33 and 34.
	Over broken land; by triangulation, desc. about 300 ft. over NE. slope.
12.00	Ravine, drains SE.; asc. about 250 ft. over S. slope.
20.60	Trail road, bears E. and W.; asc. about 500 ft. over S. slope.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 33 and 34.
	Set an iron post, 30 ins. long, $2\frac{1}{4}$ ins. diam., 6 ins. in the and in a mound of stone to top, $3\frac{1}{4}$ ft. base, with brass cap mkd.
	T16S R13W $\frac{1}{4}$ S28 S33 S34 1959
	By triangulation, asc. about 800 ft. over steep and broken S. slope.
60.00	Point for the cor. of secs. 27, 28, 33 and 34.
	Set an iron post, 30 ins. long, $2\frac{1}{4}$ ins. diam., 10 ins. in the and in a mound of stone to top, 4 ft. base, with brass cap mkd.
	T16S R13W S28 S27 S33 S34 1959

Survey, Portion of Subdivision, T. 16 S., R. 13 W.

Chains

Land, broken.
Soil, shallow clay and exposed limestone.
Undergrowth, dense mahogany brush.
Timber, medium dense juniper and pinon.

N. 0° 02' W., bet. secs. 27 and 28.

Over broken land; asc. 80 ft. over S. slope.

2.70 Spur, slopes W. by triangulation, desc. about 400 ft. over ledgy N. slope.

15.00 Head of Sinbad Canyon, drains W.; asc. about 500 ft. over steep and ledgy S. slope.

39.00 End of triangulation; ridge, bears E. and W.; desc. 30 ft. over N. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 27 and 28.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground to bedrock and in a mound of stone to top, $3\frac{1}{2}$ ft. base, with brass cap mkd.

T16S R13W

$\frac{1}{4}$
S28 | S27
1959

By triangulation, desc. about 700 ft. over steep and broken N. slope, through dense yellow pine and mahogany bush.

60.00 Leave timber..

80.00 Point for the cor. of secs. 21, 22, 27 and 28.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground to bedrock and in a mound of stone to top, $3\frac{1}{2}$ ft. base, with brass cap mkd.

T16S R13W

S21 | S22
S28 | S27
1959

Land, broken.

Soil, shallow clay and exposed limestone.

Timber, dense yellow pine, S. 60 chs.; medium dense juniper and pinon, N. 20 chs.

Undergrowth, dense mountain mahogany brush.

N. 0° 02' W., bet. secs. 21 and 22.

Over broken land; desc. 480 ft. over N. slope, through dense juniper and pinon trees.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 21 and 22.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 12 ins. in the ground and in a mound of stone to top, 1 ft. base, with brass cap mkd.

T16S R13W

$\frac{1}{4}$
S21 | S22
1959

Survey Portion of Subdivision T. 16 S., R. 13 W.

Chains	
	Desc. 90 ft. over N. slope.
56.60	Rim of canyon bears NE. and SW.; by triangulation, desc. about 250 over NW. slope.
71.00	Wash, 25 lks. wide, 2 ft. deep, drains N. 10° E.; asc. about 80 ft. over SE. slope.
78.00	End of triangulation; small spur, slopes E.; desc. 20 ft. over NE. slope.
80.00	Point for the cor. of secs. 15, 16, 21 and 22.
	Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground and in a mound of stone to top, 3½ ft. base, with brass cap mkd.
	T16S R13W S16 S15 S21 S22 1959
	Land, broken. Soil, shallow clay and exposed limestone surfaces. Timber, scattered juniper and piñon. Undergrowth, scattered mahogany and sagebrush.
	N. 0° 02' W., bet. secs. 15 and 16.
	Over broken land; desc. 140 ft. over NE. slope.
16.50	Small wash, drains E.; asc. 230 ft. over S. slope.
36.50	Spur, slopes E.; desc. 60 ft. over N. slope.
40.00	Point for the ¼ sec. cor. of secs. 15 and 16 falls on small ledge facing N. and cannot be perpetuated.
40.35	Point selected for the witness ¼ sec. cor. of secs. 15 and 16.
	Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground and in a mound of stone to top, 4 ft. base, with brass cap mkd.
	T16S R13W ¼ S16 S15 W C 1959
	Desc. 230 ft. over N. slope.
49.70	Wash, 25 lks. wide, 4 ft. deep, drains NE.; asc. 110 ft. over S. slope.
51.56	Small spur, slopes E.; desc. 60 ft. over N. slope.
54.80	Wash, 20 lks. wide, 2 ft. deep, drains E.; asc. 330 ft. over S. slope.
74.00	Spur, slopes E.; desc. 70 ft. over N. slope.
79.00	Point selected for the witness cor. of secs. 9, 10, 15 and 16.
	Set an iron post, 30 ins. long, 2½ ins. diam., 1 in. in the ground, bedrock and in a mound of stone to top, 4½ ft. base, with brass cap mkd.

Portion T. 16 S. R. 13 W.

Chains

T16S R13W

W C

S 9¹/₂ S10

S16 S15

1959

80.00 Point for the cor. of secs. 9, 10, 15 and 16 falls on ledge facing N. and cannot be perpetuated.

Land, broken.

Soil, shallow clay and exposed limestone.

Timber, scattered scrub juniper and pinon.

N. 0° 02' W., bet. secs. 9 and 10.

Over broken land; by triangulation, desc. about 120 ft. over ledges facing N.

5.00 Ravine, drains E.; asc. about 200 ft. over S, slope.

29.20 End of triangulation, spur, slopes E.; desc. 230 ft. over N. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 9 and 10.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 6 ins. in the ground to bedrock and in a mound of stone to top, 4 ft. base, with brass cap mkd.

T16S R13W

$\frac{1}{4}$

S 9¹/₂ S10

1959

By triangulation, desc. about 250 ft. over broken N. slope.

46.00 Wash, drains E.; asc. about 300 ft. over ledgy S. slope.

80.00 Point for the cor. of secs. 3, 4, 9 and 10.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 8 ins. in the ground to bedrock and in a mound of stone to top, with brass cap mkd.

T16S R13W

S 4¹/₂ S 3

S 9¹/₂ S10

1959

Land, broken.

Soil, shallow clay and exposed limestone.

Timber, scattered scrub juniper and pinon.

N. 0° 17' W., bet. secs. 3 and 4.

Over broken land; asc. 280 ft. over S. slope.

11.90 Spur, slopes E.; desc. 620 ft. over steep N. slope.

29.00 Wash, 30 lks. wide, 2 ft. deep, drains E.; asc. 40 ft.

32.30 Small spur, slopes E.; desc. 70 ft. over N. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 3 and 4.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap mkd.

Survey Portion of Subdivis. T. 16 S. R. 13 W.

Chains

T16S R13W

 $\frac{1}{4}$

S 4 S 3

1959

Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.

By triangulation, desc. about 200 ft. over steep N. slope.

46.00 Wash, 30 lks. wide, 3 ft. deep, drains E.; asc. about 400 ft. over slope.

63.50 End of triangulation; spur, slopes E.; desc. 290 ft. over N. slope.

71.50 Wash, 30 lks. wide, 3 ft. deep, drains E.; asc. 120 ft. over S. sl.

79.00 Spur, slopes SE.; desc. 40 ft. over NE. slope.

80.00 The cor. of secs. 3, 4, 33 and 34 on N. bdy. of Tp.

Land, broken.

Soil, shallow clay and exposed limestone.

Timber, scattered scrub juniper and piñon.

From the cor. of secs. 2, 3, 34 and 35 on the N. bdy. of the Tp., in before described.

S. $0^{\circ} 01'$ E., bet. secs. 2 and 3.

Over mountainous land, through scattered timber; desc. 60 ft. over slope.

5.00 Wash, 30 lks. wide, 3 ft. deep, drains NE.; asc. 190 ft. over NW. slope.

17.60 Spur, bears NE.; desc. 150 ft. over SE. slope.

27.60 Wash, 30 lks. wide, 3 ft. deep, drains N. 60° E.; asc. 100 ft. over NW. slope.33.30 Spur, bears N. 60° E.; desc. 70 ft. over SE. slope.

37.90 Small wash, drains E.; asc. 40 ft. over NE. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 3.Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the ground and in a collar of stone, with brass cap mkd.

T16S R13W

 $\frac{1}{4}$

S 3 S 2

1959

Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.

Asc. 20 ft. over NE. slope.

42.70 Small wash, drains N. 20° E.; asc. 120 ft. over steep N. slope.47.00 Spur, bears N. 70° E.; desc. 200 ft. over SE. slope.

56.70 Wash, 30 lks. wide, 3 ft. deep, drains E. from SW.; asc. 310 ft. NW. slope.

79.30 Spur, bears NE.; thence along E. slope.

Portion of Subdivision, T. 16 S., R. 13 W.

Chains	
80.00	Point for the cor. of secs. 2, 3, 10 and 11. Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, With brass cap mkd. <div style="text-align: center;">T16S R13W S 3 S 2 S10 S11 1959</div>
	Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor. Land, mountainous. Soil, clay and sand. Timber, scattered juniper and pinon.
	S. 89° 57' E., bet. secs. 2 and 11. Over rolling mountainous land, through scattered timber; desc. 370 ft. over steep SE. slope.
20.80	Wash, 20 lks. wide, 3 ft. deep, drains NE.; asc. 20 ft. over NW. slope.
25.10	Top of ascent on N. slope; desc. 90 ft. over NE. slope.
30.70	Same wash, drains N. 60° E. from N. 70° W.; desc. 20 ft. along N. slope.
40.00	Point for the ¼ sec. cor. of secs. 2 and 11. Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd. <div style="text-align: center;">T16S R13W S 2 ¼ S11 1959</div>
	Raise a mound of stone, 2 ft. base, 2 ft. high, N. of cor. Asc. 20 ft. over NW. slope.
44.40	Top of ascent on N. slope; desc. 110 ft. over NE. slope.
55.70	Wash, 20 lks. wide, 3 ft. deep, drains N.; asc. 50 ft. over W. slope.
59.80	Small spur, bears N.; desc. 70 ft. over NE. slope.
64.00	Small wash, drains N. 10° E.; asc. 40 ft. over NW. slope.
69.30	Top of ascent on N. slope; desc. 90 ft. over NE. slope.
76.70	Point selected for the witness cor. of secs. 1, 2, 11 and 12. Set an iron post, 30 ins. long, 2½ ins. diam., 18 ins. in the ground and in a mound of stone, 4 ft. base to top, with brass cap mkd. <div style="text-align: center;">T16S R13W S 2 S 1 W S11 S12 C 1959</div>
77.00	Enter wash, 1.00 ch. wide, 3 ft. deep, drains E.
80.00	True point for the cor. of secs. 1, 2, 11 and 12 falls in wash, where cor. cannot be perpetuated. Land, rolling, mountainous.

Portion of Subdivision T. 16 S., R. 13 W.

Chains	
	Soil, clay, sand and gravel. Timber, scattered juniper and pinon.
	N. 0° 01' W., bet. secs. 1 and 2.
	Over rolling land, through scattered timber; asc. 30 ft. over roll SE. slope.
9.80	Trail road, bears S. 70° E. and N. 80° W.; desc. 20 ft. over NE. sl
16.20	Small wash, drains S. 60° E.; asc. 100 ft. over S. slope.
23.80	Spur, bears N. 80° E.; desc. 90 ft. over N. slope.
32.70	Small wash, drains N. 60° E.; asc. 40 ft. over SE. slope.
40.00	Top of ascent on E. slope.
	Point for the $\frac{1}{4}$ sec. cor. of secs. 1 and 2.
	Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 10 ins. in the to bedrock and in a mound of stone to top, 3 $\frac{1}{2}$ ft. base, with brass mkd.
	T16S R13W
	$\frac{1}{4}$
	S 2 S 1
	1959
	Desc. 70 ft. over NE. slope.
48.00	Wash, 20 lks. wide, 2 ft. deep, drains E.
53.40	Wash, 50 lks. wide, 2 ft. deep, drains S. 40° E.; asc. 20 ft. over S slope.
60.00	Spur, bears N. 40° E.; desc. 90 ft. over NE. slope.
72.70	Small wash, drains NE.; trail road, bears N. 20° W. and S. 30° E.
76.00	Small wash, drains E.; asc. 60 ft. over S. slope.
79.99	The cor. of secs. 1, 2, 35 and 36 on the N. bdy. of the Tp. Land, rolling. Soil, sandy, clay and gravel. Timber, scattered juniper.
	from the cor. of secs. 15, 16, 21 and 22.
	N. 89° 56' W., bet. secs. 16 and 21.
	Over broken, mountainous land, through scattered timber; asc. 260 ft. over steep E. slope.
7.80	Spur, bears NE.; desc. 230 ft. over steep NW. slope.
17.10	Small wash, drains N. 30° E.; enter dense timber, bears N. 30° E. and S. 30° W.; asc. 90 ft. over steep NE. slope.
24.00	Small wash, drains NE. to above wash; asc. 450 ft. over steep SE. s
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 16 and 21.

Portion of Subdivision, T. 16 S., R. 13 W.

Chains

Set an iron post, 30 ins. long, 2½ ins. diam., 5 ins. in the ground to bedrock and in a mound of stone to top, 4½ ft. base, with brass cap mkd.

T16S R13W

½ S16

S21

1959

Asc. 290 ft. over S. slope.

60.50 Top of ascent, bears N. and S.; desc. 10 ft. over SW. slope.

62.90 Rim, bears N. and S.; desc. 830 ft. over ledge, 100 ft. high facing W. and steep and broken SW. slope.

79.00 Point selected for the witness cor. of secs. 16, 17, 20 and 21.

Set an iron post, 30 ins. long, 2½ ins. diam., 3 ins. in the ground to bedrock and in a mound of stone to top, 4 ft. base, with brass cap mkd.

T16S R13W

W S17 | S16

C S20 | S21

1959

80.00 True point for the cor. of secs. 16, 17, 20 and 21 falls on ledgy W. slope where cor. cannot be perpetuated.

Land, badly broken, mountainous.

Soil, clay and exposed limestone.

Timber, pinon and juniper.

N. 0° 03' W., bet. secs. 16 and 17.

Over broken, mountainous land, through medium dense timber; by triangulation, asc. about 970 ft. over badly broken SW. slope.

29.50 Rim at top of ledge, 100 ft. high, bears N. 70° W. and S. 70° E.; desc. 220 ft. over NE. slope.

40.00 Point for the ¼ sec. cor. of secs. 16 and 17.

Set an iron post, 30 ins. long, 2½ ins. diam., 2 ins. in the ground to bedrock and in a mound of stone to top, 4 ft. base, with brass cap mkd.

T16S R13W

S17 | S16

1959

By triangulation, desc. about 200 ft. over NE. slope.

66.00 Bottom of small canyon, drains SE.; asc. about 80 ft. over SW. slope.

70.00 Spur, bears SE.; desc. about 100 ft. over NE. slope.

80.00 End of triangulation.

True point for the cor. of secs. 8, 9, 16 and 17 falls in small wash, draining S. 70° E., where cor. cannot be perpetuated.

Survey, Portion of Subdivision, T. 16 S., R. 13 W.

Chains

Point selected for the witness cor. of secs. 8, 9, 16 and 17, bears N. $89^{\circ} 58'$ E., 10 lks. dist.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground to bedrock and in a mound of stone to top, $3\frac{1}{2}$ ft. base, with brass cap mkd.

T16S R13W

W S 8 | S 9

C S17 | S16

1959

Land, broken, mountainous.

Soil, clay and exposed limestone.

Timber, medium dense pinon and juniper.

From the true point for the cor. of secs. 9, 10, 15 and 16, from the witness cor. bears S. $0^{\circ} 02'$ E., 1.00 ch. dist.

S. $89^{\circ} 58'$ W., bet. secs. 9 and 16.

Over mountainous land, through medium dense timber; asc. 150 ft. over NE. slope.

17.20 Ridge, bears S. 60° E.; desc. 180 ft. over SW. slope.

28.10 Bottom of small canyon, drains S. 10° E.; asc. 230 ft. over SE. slope

40.04 Point for the $\frac{1}{4}$ sec. cor. of secs. 9 and 16.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 8 ins. in the ground to bedrock and in a mound of stone to top, 4 ft. base, with brass cap mkd.

T16S R13W

$\frac{1}{4}$ S 9

S16

1959

Asc. 240 ft. over SE. slope.

56.10 Slope changes to S. slope.

79.98 The witness cor. of secs. 8, 9, 16 and 17.

80.08 The true point for the cor. of secs. 8, 9, 16 and 17.

Land, mountainous.

Soil, clay and exposed limestone.

Timber, medium dense pinon and juniper.

From the true point for the cor. of secs. 4, 5, 32 and 33 on the S. bdy. of the Tp., from which the witness cor. bears N. $89^{\circ} 56'$ W., 1.00 ch. dist., an iron post, $2\frac{1}{2}$ ins. diam., set, mkd. and witnessed as described in the field notes of T. 17 S., R. 13 W.

N. $0^{\circ} 03'$ W., bet. secs. 32 and 33.

Over mountainous land, through scattered timber; by traverse, asc. about 160 ft. over ledgy SW. slope.

9.30 Top of ledge, bears S. 20° E. and N. 20° W.; thence along broken W. slope.

14.00 Top of ledge, 100 ft. high, bears S. 20° W. and N. 20° E.; desc. about 400 ft. over broken NW. slope.

of Subdivision T. 16 S. R. 13 W.

Chains

39.20 Wash, in canyon, 30 lks. wide, 3 ft. deep, drains S. 30° W.

40.00 End of traverse.

Point for the $\frac{1}{4}$ sec. cor. of secs. 32 and 33.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 4 ins. in the ground to bedrock and in a mound of stone to top, $3\frac{1}{2}$ ft. base, with brass cap mkd.

T16S R13W

$\frac{1}{4}$

S32 | S33

1959

By triangulation, asc. about 820 ft. over broken S. slope.

64.00 Top of ledge, 80 ft. high, bears N. 50° W. and E.; asc. about 500 ft. over steep S. slope.

76.50 End of triangulation; top of ledge, 15 ft. high, bears E. and W.; desc. 40 ft. over NE. slope.

80.00 Point for the cor. of secs. 28, 29, 32 and 33.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 8 ins. in the ground to bedrock and in a mound of stone to top, $3\frac{1}{2}$ ft. base, with brass cap mkd.

T16S R13W

S29 | S28

S32 | S33

1959

Land, badly broken, mountainous.

Soil, clay and exposed limestone.

Timber, scattered to medium dense juniper and pinon.

From the cor. of secs. 5, 6, 31 and 32 on the S. bdy. of the Tp., an iron post, $2\frac{1}{2}$ ins. diam., set, mkd. and witnessed as described in the field notes of T. 17 S., R. 13 W.

N. 0° 03' W., bet. secs. 31 and 32.

Over mountainous land, through scattered timber; by triangulation, asc. over precipitous S. slope.

28.50 End of triangulation; spur, bears W.; desc. 250 ft. over N. slope.

33.80 Ravine, drains W.; asc. 60 ft. over S. slope.

38.82 Point selected for the witness cor. of secs. 31 and 32.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 3 ins. in the ground to bedrock and in a mound of stone to top, $3\frac{1}{2}$ ft. base, with brass cap mkd.

T16S R13W

W C

S31 | S32

1959

40.00 True point for the $\frac{1}{4}$ sec. cor. of secs. 31 and 32 falls on ledgy S. slope where cor. cannot be perpetuated.

By triangulation; asc. about 350 ft. over ledgy S. slope.

Survey Portion of Subdivision, T. 16 S., R. 13 W.

Chains

- 48.00 Spur, bears W.; desc. about 100 ft. along ledgy W. slope.
- 50.80 Spur, bears W.; desc. about 600 ft. over steep and broken N. slope.
- 80.00 End of triangulation.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 8 ins. in the ground to bedrock and in a mound of stone to top, 4 ft. base, with brass mkd.

T16S R13W

S30 | S29

S31 | S32

1959

Land, badly broken, mountainous.
Soil, clay and exposed limestone.
Timber, scattered pinon and juniper.

From the cor. of secs. 28, 29, 32 and 33.

N. $89^{\circ} 53'$ W., bet. secs. 29 and 32.

Over mountainous land, through medium dense timber; asc. 330 ft. over E. slope.

- 24.60 Top of ascent; rim, 100 ft. high, bears N. and S.; desc. 730 ft. over badly broken and steep W. slope, through scattered timber.

- 39.965 Point for the $\frac{1}{4}$ sec. cor. of secs. 29 and 32.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 10 ins. in the ground to bedrock and in a mound of stone to top, $3\frac{1}{2}$ ft. base, with brass cap mkd.

T16S R13W

 $\frac{1}{4}$ S29 $\frac{1}{4}$ S32

1959

By triangulation, desc. about 900 ft. over badly broken NW. slope.

- 79.93 End of triangulation.

The cor. of secs. 29, 30, 31 and 32.

Land, badly broken, mountainous.
Soil, clay and exposed limestone.
Timber, medium dense to scattered pinon and juniper.

General Description

The land within this township is broken, mountainous land with the House Range Mountains bearing northerly through the township. The northeastern portion of the township is on the rolling desert. The elevation varies from 5,700 feet above sea level on the desert to 9,678 feet above sea level on Swasey Peak. The mountain range divides the drainage east and west into the desert. Swasey Spring is located approximately in the NE $\frac{1}{4}$ of unsurveyed sec. 24 and Upper Spring in the SE $\frac{1}{4}$ of unsurveyed sec. 23.

The soil varies from light clay and gravel on the desert to clay and exposed limestone on the mountains.

Township 16 South, Range 13 West

Chains

The most prominent features within the township are Swasey Peak and Tatow Knob.

The timber is composed of pinon, juniper, pine and mahogany brush.

Principal users of the area are sheepmen and access into the township is provided by desert roads.

Access into the survey lines was provided by helicopter.

No mineral formations of consequence were noted during the survey.

Development of the individual

Chains

attained

The individual is a member of the community, and as such, he is a part of the social structure.

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FIELD ASSISTANTS

16-53465-2

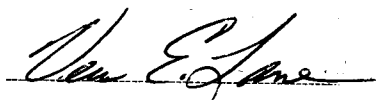
CERTIFICATE OF CADASTRAL ENGINEER

I, Vern E. Lane, HEREBY CERTIFY upon honor that, pursuant of special instructions bearing date of the 15th day of August, 1960, Supplemental special instructions dated 29th day of June, 1960, I have ~~surveyed~~ supervised the survey of the east and north boundaries and a portion of the subdivision of T. 16 S., R. 13 W.

of the Salt Lake Meridian, in the State of Utah, which is represented in the foregoing field notes as having been executed ~~by me and under my direction~~ under my supervision; and said survey has been made in strict conformity with said instructions, the Manual of Instructions for Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

Salt Lake City, Utah

May 2, 1960



Vern E. Lane - Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., DEC 9 1960, 1960

The foregoing field notes of the survey of the east and north boundaries and a portion of the subdivision, T. 16 S., R. 13 W., Salt Lake Meridian, Utah

executed by Lacel E. Bland, Cadastral Surveyor
Eldon W. Sibley, Cartographic Survey Aid, under the supervision of
Vern E. Lane, Cadastral Surveyor
having been critically examined and found correct, are hereby approved.

[Signature]
Cadastral Engineering Staff Officer.

CERTIFICATE OF TRANSCRIPT

I hereby certify that the foregoing transcript of the field notes is a true and correct copy of the original field notes, and is a true copy of the original field notes.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ORIGINAL

FIELD NOTES

OF THE SURVEY OF

AND A PORTION OF THE SUBDIVISION

OF

TOWNSHIP 16 SOUTH, RANGE 14 WEST

Of the Salt Lake Meridian,

the State of Utah

EXECUTED BY

Eldon W. Sibley, Cartographic Survey Aid

Lacel E. Bland, Cadastral Surveyor

under special instructions dated August 15, 1936, which provided supplemental special instructions dated June 29, 1954

for the surveys included under Group No. 275, approved September 22, 1936 July 15, 1954

assignment instructions dated July 27, 1959

Survey commenced September 28, 1959

Survey completed November 3, 1959

INDEX DIAGRAM

Township 16 South, Range 14 West

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19	20	15 21	11 22	23	24 3
30	29	28	11 27	26	25 2
31	17 17 32	16 33	10 34	35 9	9 36 1

GPO 866110

— Eldon W. Sibley
— Lancel E. Bland

Township 16 South, Range 14 West

Chains

A portion of the south boundary and the west boundary were independently resurveyed and are described in the field notes of T. 17 S., R. 14 W. and T. 16 S., R. 15 W., respectively. A portion of the south boundary was surveyed concurrently and is described in the field notes of T. 17 S., R. 14 W.

The following field notes are those of the E. and N. boundaries and a portion of the subdivision deemed sufficient to facilitate the development of the natural resources and mark the boundaries of those sections normally considered State school sections.

The survey was executed with W. and L. E. Gurley solar transits Nos. 491037 and 580515, constructed in accordance with the standard instrumental specifications of the Bureau of Land Management. The instrument was in good condition prior to the beginning of the survey and was maintained in proper adjustment throughout the progress of the survey.

Corners on east-west lines were set on the true latitudinal curve. Lines connecting previously established corners were run by random and true method, but for simplification of the record the random lines are omitted from the field notes. In accordance with the intent of the special instructions, all subdivisional corners established are calculated to be at the position they would occupy if the entire township were subdivided.

Measurements herein contained were made with a narrow steel tape, eight chains in length, graduated every link for the first 100 links and thereafter at intervals of 10 links. The tape was tested by comparison with a one chain standard steel tape and found to be correct. Measurements were made on the slope with the vertical angle of each interval ascertained by a clinometer in good adjustment; horizontal equivalents alone are entered in the field notes. All lines of this survey were run by direct method where the lines were accessible; lines inaccessible were run by traverse or triangulation methods. The details of such traverses or triangulations have been thoroughly checked and verified, and in order to simplify the record the diagrams and reductions are omitted from these field notes.

The direction of the lines of this survey were determined by reference to true meridians established on line by hour angle observations on Polaris or altitude observations on the sun. The lines were carried forward by sustained angulation being supplemented by other numerous altitude observations on the sun taken throughout the progress of the survey.

The geographic position for the southeast corner of the township is at latitude $39^{\circ} 21' 59.6''$ N. and longitude $113^{\circ} 21' 43.3''$ W., as adjusted from traverses to U. S. G. S. triangulation stations within the area.

The magnetic declination was read at a number of stations throughout the township and the average of these readings was found to be $16^{\circ} 30'$ East.

Survey of the East Boundary of T. 16 S., R. 14 W.

Beginning at the true point for the cor. of Tps. 16 and 17 S., Rs. 13 and 14 W., which is witnessed S., 0.05 chs. dist. by an iron post, $2\frac{1}{2}$ ins. diam., set, mkd. and witnessed as described in the field notes of T. 17 S., R. 14 W.

North, bet. secs. 31 and 36.

Over broken land; desc. 70 ft. over NE. slope.

Survey of the East Boundary, T. 16 S., R. 14 W.

Chains

- 3.10 Wash, 25 lks. wide, 2 ft. deep, drains NW.; asc. 420 ft. over SW. edge.
- 34.90 Spur, slopes W.; desc. 120 ft. over N. slope.
- 40.00 Point for the $\frac{1}{2}$ sec. cor. of secs. 31 and 36.
Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 16 ins. in the ground in a mound of stone to top, 3 ft. base, with brass cap mkd.
T16S
R14W R13W
 $\frac{1}{2}$
S36|S31
1959
Desc. 130 ft. over N. slope.
- 50.90 Wash, 20 lks. wide, 2 ft. deep, drains W.; asc. 430 ft. over S. slope.
- 80.00 Point for the cor. of secs. 25, 30, 31 and 36.
Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 1 in. in the ground in bedrock, in a mound of stone to top, 4 ft. base, with brass cap mkd.
T16S
R14W R13W
S25|S30
S36|S31
1959
Land, broken.
Soil, clay, rocky and exposed limestone.
Timber, none.
- North, bet. secs. 25 and 30.
Over broken land; asc. 100 ft. over S. slope.
- 5.80 Spur, slopes W.; desc. 170 ft. over N. slope.
- 12.90 Head of small wash, drains W.; asc. 250 ft. over S. slope.
- 27.60 Spur, slopes NW.; desc. 370 ft. over N. slope.
- 37.90 Wash, 30 lks. wide, 2 ft. deep, drains NW.; asc. 30 ft. over S. slope.
- 40.00 Point for the $\frac{1}{2}$ sec. cor. of secs. 25 and 30.
Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 12 ins. in the ground in a mound of stone to top, $3\frac{1}{2}$ ft. base, with brass cap mkd.
T16S
R14W R13W
 $\frac{1}{2}$
S25|S30
1959
Asc. 350 ft. over S. slope.
- 59.10 Spur, slopes NW.; desc. 600 ft. over N. slope.
- 79.00 Small wash, drains NW.; asc. 20 ft. over S. slope.
- 80.00 Point for the cor. of secs. 19, 24, 25 and 30.

Survey of the East Boundary of T. 16 S., R. 14 W.

Chains

Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground, in a mound of stone to top, 4 ft. base, with brass cap mkd.

T16S

R14W R13W

S24|S19

S25|S30

1959

Land, broken.

Soil, clay, rocky and exposed limestone.

Timber, widely scattered scrub juniper.

North, bet. secs. 19 and 24.

Over broken land; asc. 70 ft. over S. slope.

7.00 Small spur, slopes W.; desc. 130 ft. over N. slope.

13.00 Wash, 20 lks. wide, 4 ft. deep, drains W.; asc. 260 ft. over S. slope.

29.90 Spur, slopes W.; desc. 30 ft. over NW. slope.

40.00 Point for the ¼ sec. cor. of secs. 19 and 24.

Set an iron post, 30 ins. long, 2½ ins. diam., 1 in. in the ground to bedrock, in a mound of stone to top, 4 ft. base, with brass cap mkd.

T16S

R14W R13W

½

S24|S19

1959

Desc. 80 ft. over NW. slope.

43.30 Wash, 20 lks. wide, 2 ft. deep, drains W.; asc. 60 ft. over S. slope.

52.70 Small spur, slopes W.; desc. 510 ft. over N. slope.

74.60 Wash, 15 lks. wide, 2 ft. deep, drains NW.; asc. 10 ft. over gradual S. slope in small valley.

80.00 Point for the cor. of secs. 13, 18, 19 and 24.

Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to bedrock, in a mound of stone to top, 5 ft. base, with brass cap mkd.

T16S

R14W R13W

S13|S18

S24|S19

1959

Land, broken.

Soil, clay, rocky and exposed limestone.

Timber, widely scattered scrub juniper.

North, bet. secs. 13 and 18.

Over rolling land; asc. 30 ft. over gradual S. slope.

Survey of the East Boundary of T. 16 S., R. 14 W.

Chains	
5.50	Wash, 20 lks. wide, 4 ft. deep, drains W.; asc. 270 ft. over S. s
21.40	Spur, slopes W.; desc. 340 ft. over N. slope.
40.00	Point for the $\frac{1}{2}$ sec. cor. of secs. 13 and 18. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground to bedrock, in a mound of stone to top, $3\frac{1}{2}$ ft. base, with brass cap mkd. <div style="text-align: center;"> T16S R14W R13W $\frac{1}{2}$ S13 S18 1959 </div>
	Desc. 40 ft. over N. slope.
47.80	Wash, 30 lks. wide, 3 ft. deep, drains W.; asc. 410 ft. over SW. s
80.00	Point for the cor. of secs. 7, 12, 13 and 18 falls on small ledge facing S. and cannot be perpetuated. Land, broken. Soil, clay and exposed limestone. Timber, widely scattered scrub juniper.
	North, bet. secs. 7 and 12.
	Over broken land; asc. 10 ft. over SW. slope.
.20	Point selected for the witness cor. of secs. 7, 12, 13 and 18. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 12 ins. in the ground in a mound of stone to top, $3\frac{1}{2}$ ft. base, with brass cap mkd. <div style="text-align: center;"> T16S R14W R13W S12 S 7 S13 S18 1959 </div>
	Asc. 100 ft. over S. slope.
9.30	Spur, slopes W.; desc. 440 ft. over N. slope.
28.40	Wash, 20 lks. wide, 3 ft. deep, drains W.; asc. 300 ft. over S. slope.
40.00	Point for the $\frac{1}{2}$ sec. cor. of secs. 7 and 12 falls on ledge facing S. and cannot be perpetuated.
40.10	Point selected for the witness $\frac{1}{2}$ sec. cor. of secs. 7 and 12. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 1 in. in the ground to bedrock, in a mound of stone to top, 4 ft. base, with brass cap mkd. <div style="text-align: center;"> T16S R14W R15W $\frac{1}{2}$ S12 S 7 W0G9 1959 </div>
	Asc. 10 ft.
40.50	Spur, slopes W.; by triangulation desc. about 300 ft. over N. slope.

of the East T. 16 S. R. 14 W.

Chains

- 47.00 Wash, 20 lks. wide, 2 ft. deep, drains W.; asc. about 250 ft. over S. slope.
- 57.10 End of triangulation; spur, slopes W.; desc. 310 ft. over N. slope.
- 64.40 Wash, 20 lks. wide, 2 ft. deep, drains W.; asc. 110 ft. over S. slope.
- 72.50 Small spur, slopes W.; desc. 170 ft. over N. slope.
- 77.30 Wash, 20 lks. wide, 3 ft. deep, drains W.; asc. 30 ft. over S. slope.
- 80.00 Point for the cor. of secs. 1, 6, 7 and 12.

Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to bedrock, in a mound of stone to top, 4 ft. base, with brass cap mkd.

T16S
R14W R13W
S1|S6
S12|S7
1959

Land, broken
Soil, shallow clay and exposed limestone.
Timber, widely scattered scrub juniper.

North, bet. secs. 1 and 6.

Over broken land; desc. 50 ft. over N. slope.

- 2.00 Wash, 20 lks. wide, 3 ft. deep, drains steeply W.; asc. 120 ft. over S. slope.
- 6.60 Spur, slopes W.; desc. 470 ft. over steep N. slope.
- 31.60 Wash, 30 lks. wide, 3 ft. deep, drains W.; asc. 30 ft. over S. slope.
- 40.00 Point for the ¼ sec. cor. of secs. 1 and 6.

Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground, in a mound of stone to top, 3 ft. base, with brass cap mkd.

T16S
R14W R13W
½
S1|S6
1959

Asc. 310 ft. over S. slope.

- 56.00 Spur, slopes W.; desc. 250 ft. over N. slope.
 - 75.50 Wash, 20 lks. wide, 3 ft. deep, drains SW.; asc. 30 ft. over SW. slope.
 - 80.00 Point for the cor. of Tps. 15½ and 16 S., Rs. 13 and 14 W.
- Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T15½S
R14W R13W
S36|S31
S1|S6
1959

Chains

Raise a mound of stone, 3½ ft. base, 2½ ft. high, S. of cor.
Land, broken.
Soil, shallow clay and exposed limestone.
Timber, widely scattered scrub juniper.

Survey of the North Boundary of T. 16 S., R. 14 W.

From the cor. of Tps. 15½ and 16 S., Rs. 13 and 14 W.

S. 89° 57' W., bet. secs. 1 and 36.

Over rolling land; desc. 50 ft. over SW. slope.

3.70 Base of hill, bears N. and S.; desc. 400 ft. over rolling W. slope.

40.00 Point for the ¼ sec. cor. of secs. 1 and 36 falls in wash, 40 lks. wide, 3 ft. deep, drains SW.

40.50 Point selected for the witness ¼ sec. cor. of secs. 1 and 36.

Set an iron post, 30 ins. long, 2½ ins. diam., 14 ins. in the ground in a mound of stone to top, 3 ft. base, with brass cap mkd.

T15½S R14W

¼ S36 W
S 1 C
T16S
1959

Desc. 190 ft. over gradual W. slope.

80.00 Point for the cor. of secs. 1, 2, 35 and 36.

Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground with brass cap mkd.

T15½S R14W

S35 S36
S2 S1

1959

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

Land, rolling desert valley.

Soil, clay and rocky.

Timber, none.

Undergrowth, scattered sagebrush and shadscale.

S. 89° 57' W., bet. secs. 2 and 35.

Over rolling desert valley land; desc. gradual W. slope.

40.00 Point for the ¼ sec. cor. of secs. 2 and 35.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground with brass cap mkd.

T15½S R14W

¼ S35
S 2

T16S
1959

Raise a mound of stone, 2½ ft. base, 2 ft. high, N. of cor.

Survey of the North Boundary of T. 16 S., R. 14 W.

Chains

Desc. gradual W. slope.

68.20 Wash, 10 lks. wide, 2 ft. deep, drains W.

74.60 Bladed road, bears N. and S.

80.00 Point for the cor. of secs. 2, 3, 34 and 35.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground with brass cap mkd.

T15½S R14W

S34 | S35

S3 | S2

T16S

1959

Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor.

Land, rolling.

Soil, clay, rocky.

Timber, none.

Undergrowth, scattered greasewood and sagebrush.

S. 89° 57' W., bet. secs. 3 and 34.

Over rolling desert valley land; desc. gradual W. slope.

40.00 Point for the ¼ sec. cor. of secs. 3 and 34.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground with brass cap mkd.

T15½S R14W

S34

S 3

T16S

1959

Raise a mound of stone, 2 ft. base, 2 ft. high, N. of cor.

80.00 Point for the cor. of secs. 3, 4, 33 and 34.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground with brass cap mkd.

T15½S R14W

S33 | S34

S4 | S3

T16S

1959

Raise a mound of stone, 2 ft. base, 2 ft. high, W. of cor.

Land, rolling.

Soil, clay, rocky.

Timber, none.

Undergrowth, scattered greasewood and sagebrush.

Survey of the North 1/4 of T. 16 S. R. 14 W.

Chains

S. 89° 57' W., bet. secs. 4 and 33.

Over rolling desert valley land; desc. gradual W. slope.

40.00

Point for the 1/4 sec. cor. of secs. 4 and 33.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 24 ins. in the ground with brass cap mkd.

T15 1/2 S R14W

1/4 S33
S 4

T16S
1959

Raise a mound of stone, 2 ft. base, 2 ft. high, N. of cor.

80.00

Point for the cor. of secs. 4, 5, 32 and 33.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 24 ins. in the ground with brass cap mkd.

T15 1/2 S R14W

S32 | S33
S5 | S4

T16S
1959

Raise a mound of stone, 2 ft. base, 2 ft. high, W. of cor.

Land, rolling.

Soil, white clay.

Timber, none.

Undergrowth, scattered greasewood and sagebrush.

S. 89° 57' W., bet. secs. 5 and 32.

Over nearly level land.

40.00

Point for the 1/4 sec. cor. of secs. 5 and 32.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 24 ins. in the ground with brass cap mkd.

T15 1/2 S R14W

1/4 S32
S 5

T16S
1959

Raise a mound of stone, 2 ft. base, 2 ft. high, N. of cor.

80.00

Point for the cor. of secs. 5, 6, 31 and 32.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 24 ins. in the ground with brass cap mkd.

T15 1/2 S R14W

S31 | S32
S6 | S5

T16S
1959

Raise a mound of stone, 2 ft. base, 2 ft. high, W. of cor.

Land, level dry lake bottom.

Soil, white clay.

Timber,

Survey of the North Boundary of T. 16 S., R. 14 W.

Chains

S. 89° 57' W., bet. secs. 6 and 31.

Over nearly level dry lake bottom.

40.00 Point for the 1/4 sec. cor. of secs. 6 and 31.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.

T15 1/2 S. R14W

1/4 S31

S 6

T16S

1959

76.18 The cor. of Tps. 15 1/2 and 16 S., Rs. 14 and 15 W., an iron post, 2 1/2 ins. diam., set, mkd. and witnessed as described in the field notes of T. 16 S., R. 15 W.

Land, nearly level.
Soil, white clay.

Timber, none.

Undergrowth, scattered greasewood and sagebrush.

Survey of a Portion of the Subdivision of T. 16 S., R. 14 W.

From the cor. of secs. 1, 2, 35 and 36, on the S. bdy. of the Tp., An iron post, 2 1/2 ins. diam., set, mkd. and witnessed as described in the field notes of T. 17 S., R. 14 W.

N. 0° 01' W., bet. secs. 35 and 36.

Over desert valley land, along gentle W. slope.

29.30 Wash, 60 lks. wide, 1 ft. deep, drains W.

40.00 Point for the 1/4 sec. cor. of secs. 35 and 36.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 15 ins. in the ground, in a mound of stone, 3 ft. base to top, with brass cap mkd.

T16S R14W

1/4

S35|S36

1959

80.00 Point for the cor. of secs. 25, 26, 35 and 36.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 18 ins. in the ground, in a mound of stone, 3 ft. base to top, with brass cap mkd.

T16S R14W

S26|S25

S35|S36

1959

Land, rolling.

Soil, light clay and rocky.

Timber, none.

Undergrowth, scattered greasewood and sagebrush.

From the cor. of secs. 25, 30, 31 and 36, on the E. bdy. of the Tp.

S. 89° 59' W., bet. secs. 25 and 36.

Survey of a Portion of the Subdivision of T. 16 S., R. 14 W.

Chains

Over broken land; by triangulation desc. about 400 ft. over SW. s1

23.00 Wash, 30 lks. wide, 3 ft. deep; drains NW.; asc. about 100 ft. NE. slope.

37.00 Spur, slopes NW.; desc. 50 ft. over SW. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 25 and 36.Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 10 ins. in the ground in a mound of stone, 3 ft. base to top, with brass cap mkd.

T16S R14W

 $\frac{1}{4}$ S25

S36

1959

Desc. 220 ft. over W. slope.

51.20 Wash, 10 lks. wide, 1 ft. deep, drains NW.; desc. 160 ft. over W. slope.

71.50 Wash, 100 lks. wide, 1 ft. deep; drains NW.

72.60 Bladed road, bears N. and S.

80.01 The cor. of secs. 25, 26, 35 and 36.

Land, $\frac{1}{4}$ mile broken, $\frac{1}{2}$ mile rolling.

Soil, light clay and rocky.

Timber, none.

Undergrowth, scattered greasewood and sagebrush.

From the cor. of secs. 3, 4, 33 and 34, on the S. bdy. of the Tp., an iron post, $2\frac{1}{2}$ ins. diam., set, mkd. and witnessed as described the field notes of T. 17 S., R. 14 W.N. $0^{\circ} 02' W.$, bet. secs. 33 and 34.

Over rolling land; desc. along gradual W. slope.

32.00 Bladed road, bears N. $20^{\circ} E.$ and S. $20^{\circ} W.$ 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 33 and 34.Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground with brass cap mkd.

T16S R14W

 $\frac{1}{4}$

S33|S34

1959

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

80.00 Point for the cor. of secs. 27, 28, 33 and 34.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground with brass cap mkd.

T16S R14W

S28|S27

S33|S34

1959

Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.

Survey of a Portion of the Subdivision of T. 16 S., R. 14 W.

Chains

Land, rolling.
Soil, clay and rocky.
Timber, none.
Undergrowth, scattered greasewood and sagebrush.

N. 0° 02' W., bet. secs. 27 and 28.

Over rolling desert valley land.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 27 and 28.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T16S R14W
 $\frac{1}{4}$
S28|S27
1959

Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.

80.00 Point for the cor. of secs. 21, 22, 27 and 28.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T16S R14W
S21|S22
S28|S27
1959

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

Land, rolling.
Soil, clay and scattered sand dunes.
Timber, none.
Undergrowth, scattered greasewood and sagebrush.

N. 0° 02' W., bet. secs. 21 and 22.

Over nearly level desert valley land, through scattered sand dunes.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 21 and 22.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T16S R14W
 $\frac{1}{4}$
S21|S22
1959

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

80.00 Point for the cor. of secs. 15, 16, 21 and 22.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T16S R14W
S16|S15
S21|S22
1959

Survey of a Portion of the Subdivision of T. 16 S., R. 14 W.

Chains

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

Land, nearly level.

Soil, light clay and scattered sand dunes.

Undergrowth, scattered greasewood and sagebrush.

Timber, none.

N. 0° 02' W., bet. secs. 15 and 16.

Over nearly level desert valley land.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 15 and 16.Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground with brass cap mkd.

T16S R14W

 $\frac{1}{4}$

S16 | S15

1959

Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.

80.00 Point for the cor. of secs. 9, 10, 15 and 16.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground with brass cap mkd.

T16S R14W

S 9 | S10

S16 | S15

1959

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

Land, nearly level.

Soil, light clay and sandy loam.

Timber, none.

Undergrowth, scattered greasewood and sagebrush.

N. 0° 02' W., bet. secs. 9 and 10.

Over nearly level desert valley land.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 9 and 10.Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground with brass cap mkd.

T16S R14W

 $\frac{1}{4}$

S 9 | S10

1959

Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.

44.00 Enter dry lake, bears NE. and SW.

80.00 Point for the cor. of secs. 3, 4, 9 and 10.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground in a collar of stone, with brass cap mkd.

Survey of a Portion of the Subdivision of T. 16 S., R. 14 W.

Chains

T16S R14W

S 4 | S 3

S 9 | S10

1959

Land, nearly level.

Soil, clay and sandy loam.

Timber, none.

Undergrowth, scattered greasewood and sagebrush.

N. 0° 11' E., bet. secs. 3 and 4.

Over nearly level bed of dry lake.

40.00

Point for the $\frac{1}{4}$ sec. cor. of secs. 3 and 4.Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 24 ins. in the ground with brass cap mkd.

T16S R14W

 $\frac{1}{4}$

S 4 | S 3

1959

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

79.83

The cor. of secs. 3, 4, 33 and 34, on the N. bdy. of the Tp.

Land, nearly level dry lakebed.

Soil, light clay.

Timber, none.

Undergrowth, widely scattered greasewood.

From the cor. of secs. 2, 3, 34 and 35, on the N. bdy. of the Tp.

S. 0° 01' E., bet. secs. 2 and 3.

Over nearly level desert valley land.

30.00

Trail road, bears N. 10° E. and S. 10° W.

39.88

Point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 3.Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 24 ins. in the ground with brass cap mkd.

T16S R14W.

 $\frac{1}{4}$

S3 | S2

1959

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

41.70

Wash, 40 lks. wide, 2 ft. deep, drains W.

79.88

Point for the cor. of secs. 2, 3, 10 and 11, at a dist. calculated to intersect a theoretical parallel connecting the cor. of secs. 1, 6, 7 and 12 on the E. bdy. and the cor. of secs. 3, 4, 9 and 10.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 24 ins. in the ground with brass cap mkd.

T16S R14W.

S3 | S2

S10 | S11

1959

Survey of a Portion of the Subdivision of T. 16 S., R. 14

Chains

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

Land, nearly level.
Soil, light clay and gravel.
Timber, none.

Undergrowth, greasewood and sagebrush.

East, bet. secs. 2 and 11, on a theoretical parallel connecting the cor. of secs. 1, 6, 7 and 12 on the E. bdy. and the cor. of secs. 4, 9 and 10.

Over nearly level desert valley land; asc. gradual W. slope.

28.00 Wash, 70 lks. wide, 2 ft. deep, drains S. 70° W.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 11.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground with brass cap mkd.

T16S R14W

$\frac{1}{4}$ S 2

S11

1959

Raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.

72.00 Wash, 70 lks. wide, 2 ft. deep, drains S. 70° W.

80.00 Point for the cor. of secs. 1, 2, 11 and 12.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 16 ins. in the ground in a mound of stone, 3 ft. base to top, with brass cap mkd.

T16S R14W

S2 S1

S11 S12

1959

Land, nearly level.

Soil, light clay and gravel.

Undergrowth, scattered greasewood and sagebrush.

Timber, none.

North, bet. secs. 1 and 2.

Over desert valley land; asc. along gradual W. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 1 and 2.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 14 ins. in the ground in a mound of stone to top, 4 ft. base, with brass cap mkd.

T16S R14W

$\frac{1}{4}$ S 2

S11 S1

1959

44.10 Wash, 40 lks. wide, 2 ft. deep, drains W.

79.92 The cor. of secs. 1, 2, 35 and 36 on the N. bdy. of the Tp.

Land, gently rolling.

Survey of a Portion of the Subdivision of T. 16 S., R. 14 W.

Chains

Soil, light clay and rocky.

Timber, none.

Undergrowth, scattered greasewood and sagebrush.

From the cor. of secs. 15, 16, 21 and 22.

S. 89° 57' W., bet. secs. 16 and 21.

Over nearly level desert valley land.

40.00

Point for the $\frac{1}{4}$ sec. cor. of secs. 16 and 21.Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T16S R14W

S16

S21

1959

Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, N. of cor.

80.00

Point for the cor. of secs. 16, 17, 20 and 21.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T16S R14W

S17 | S16S20 | S21

1959

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

Land, nearly level,

Soil, light clay.

Timber, none.

Undergrowth, scattered greasewood and sagebrush.

N. 0° 03' W., bet. secs. 16 and 17.

Over nearly level desert valley land.

40.00

Point for the $\frac{1}{4}$ sec. cor. of secs. 16 and 17.Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T16S R14W

S17 | S16

1959

Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.

80.00

Point for the cor. of secs. 8, 9, 16 and 17.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T16S R14W

S8 | S9S17 | S16

1959

Survey of a Portion of the Subdivision, T. 16 W., R. 14 W.

Chains

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
Land, nearly level.
Soil, light clay.
Timber, none.
Undergrowth, scattered greasewood and sagebrush.

From the cor. of secs. 9, 10, 15 and 16.

S. 89° 57' W., bet. secs. 9 and 16.

Over nearly level desert valley land.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 9 and 16.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the gr. with brass cap mkd.

T16S R14W

$\frac{1}{4}$ S. 9.

S16

1959

80.00 The cor. of secs. 8, 9, 15 and 16.

Land, nearly level.

Soil, light clay.

Timber, none.

Undergrowth, scattered greasewood and sagebrush.

From the cor. of secs. 4, 5, 32 and 33 on the S. bdy. of the Tp., an iron post, 2½ ins. diam., set, mkd. and witnessed as described in field notes of T. 17 S., R. 14 W.

N. 0° 03' W., bet. secs. 32 and 33.

Over nearly level land.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 32 and 33.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground with brass cap mkd.

T16S R14W

$\frac{1}{4}$ S. 32

S32|S33.

1959

Raise a mound of stone, 2½ ft. base, 1½ ft. high, W. of cor.

80.00 Point for the cor. of secs. 28, 29, 32 and 33.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground with brass cap mkd.

T16S R14W

S29|S28

S32|S33.

1959

Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor.

Land, nearly level valley land.

Soil, sandy loam.

Survey of a Portion of the Subdivision of T. 16 S., R. 14 W.

Chains	Undergrowth, scattered greasewood and sagebrush. Timber, none.
40.00	From the cor. of secs. 5, 6, 31 and 32, on the S. bdy. of the Tp., set an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the field notes of T. 17 S., R. 14 W. N. 0° 03' W., bet. secs. 31 and 32. Over nearly level desert valley land. Point for the ¼ sec. cor. of secs. 31 and 32. Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd. T16S R14W ¼ S31 S32 1959 Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor. Point for the cor. of secs. 29, 30, 31 and 32. Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd. T16S R14W S30 S29 S31 S32 1959 Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor. Land, nearly level. Soil, light clay and sandy loam. Timber, none. Undergrowth, scattered greasewood and sagebrush.
40.00	From the cor. of secs. 28, 29, 32 and 33. S. 89° 57' W., bet. secs. 29 and 32. Over nearly level desert valley land. Point for the ¼ sec. cor. of secs. 29 and 32. Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd. T16S R14W ¼ S29 S32 1959 Raise a mound of stone, 2½ ft. base, 1½ ft. high, N. of cor.
80.00	The cor. of secs. 29, 30, 31 and 32. Land, nearly level. Soil, clay and sandy loam. Timber, none. Undergrowth, scattered greasewood and sagebrush.

Chains

GENERAL DESCRIPTION

T. 16 S., R. 14 W. is located in White Valley with the extreme eastern portion in the foothills on the House Mountain Range. The elevation is 5,100 feet above sea level.

The soil varies from sand, clay, gravel and rocky in the valley to shallow clay and exposed limestone surfaces in the hills.

There is very little timber in this township and the few growths of scrub juniper are located in the higher portions of the township.

A graded road enters the township near the corner of sections, 34 1/4, 33 and 34, on the south boundary and leaves the township near the 1/4 section corner of secs. 2 and 35 on the north boundary.

There is no source of water in the township and there are no habitations.

Principal use of the township is for winter grazing of sheep. There were no mineral formations of consequence noted during the survey.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

[illegible]

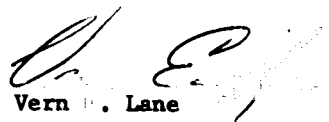
CERTIFICATE OF CADASTRAL ENGINEER

I, Vern E. Lane, HEREBY CERTIFY upon honor
 pursuance of special instructions bearing date of the 15th day of August,
 and supplemental special instructions dated June 29, 1954
 I have ~~surveyed~~ supervised the survey of the east
 of the subdivision of T. 16 S., R. 14 W.

of the Salt Lake Meridian, in the State of Utah, which
 represented in the foregoing field notes as having been executed under my supervision
 said survey has been made in strict conformity with said instructions, the Manual of Instructions for
 Survey of the Public Lands of the United States, and in the specific manner described in the
 field notes.

Salt Lake City, Utah

February 4, 1960


 Vern E. Lane

Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., DEC 9 1960, 19

The foregoing field notes of the survey of the east and north boundaries and a portion
the subdivision of T. 16 S., R. 14 W., Salt Lake Meridian, Utah

executed by Eldon W. Sibley, Cartographic Survey Aid and Lancel E. Bland,
Surveyor, under the supervision of Vern E. Lane, Cadastral Surveyor
 having been critically examined and found correct, are hereby approved.


 Cadastral Engineering Staff Officer

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in T. 16 S., R. 14 W., SLM, Utah, is a true copy of the original notes.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ORIGINAL

FIELD NOTES

OF THE

DEPENDENT RESERVE

OF THE SOUTH BOUNDARY

AND THE SURVEY

OF THE NORTH BOUNDARY

AND A PORTION OF THE SUBDIVISION

OF

TOWNSHIP 17 SOUTH, RANGE 12 WEST

Of the

Salt Lake

Meridian

In the State of

Utah

EXECUTED BY

Vern E. Lane, Cadastral Surveyor (Chief of Party)

Eldon W. Sibley, Cartographic Survey Aid

Under special instructions dated	August 13	1936	which provided
supplemental special instructions	June 29	1936	September 22, 1936
for the surveys included under Group No	275	approved	July 15, 1936
and assignment instructions dated	July 27	1936	
Survey commenced	July 28	1936	
Survey completed	August 20	1936	

INDEX DIAGRAM

Township <u>17 South</u> , Range <u>12 West</u>					
9	8	8	7	6	6
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15	17	17 16	13 15	14	13
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31	19 32	19 33	11 34	35	10 36
5	4	3	3	2	1

Township 17 South, Range 12 West

Chains

The east boundary of Second Guide Meridian West was independently resurveyed by A. Nelson in 1934, who established corners upon this line pertaining to this township. The south boundary was surveyed by A. J. Stewart, Jr. in 1885.

The following field notes are those of the dependent resurvey of the south boundary, and the original survey of the north boundary and a portion of the subdivision of T. 17 S., R. 12 W. The west boundary is described in the field notes of the surveys of T. 16 S., R. 13 W. and T. 17 S., R. 13 W. These field notes are deemed sufficient in extent to facilitate the development of the natural resources and mark the boundaries of those sections that are normally considered state school sections.

For a description of the instruments and methods used see page 1 of the field notes of the survey of T. 17 S., R. 15 W., of Group 407, Utah Surveys.

The geographic position for the southeast corner of the township is latitude $39^{\circ} 17' 02.2''$ N. and longitude $113^{\circ} 08' 33.3''$ W., as adjusted from traverses to U. S. G. S. triangulation stations within the area.

The magnetic declination was read at a number of stations throughout the township and the average of these readings was found to be $16^{\circ} 30'$ East.

Dependent Resurvey of the South Boundary of T. 17 S., R. 12 W.

Reestablishment of the survey executed by A. J. Stewart, Jr. in 1885.

Beginning at the cor. of Tps. 17 and 18 S., R. 12 W., an iron post, 3 ins. diam., set, mkd. and witnessed as described in the official record.

S. $89^{\circ} 12'$ W., bet. secs. 1 and 36.

Over nearly level desert land.

40.05 The $\frac{1}{4}$ sec. cor. of secs. 1 and 36, mkd. by the original monument, a limestone, $8 \times 6 \times 4$ ins., firmly set and plainly mkd.

At the point for the cor.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 20 ins. in the ground with brass cap mkd.

T17S R12W

$\frac{1}{4}$ S36

S 1

T18S

1959

Build a mound of stone, 3 ft. base, $1\frac{1}{2}$ ft. high, N. of the iron post.

Bury the original cor. alongside the iron post.

S. $89^{\circ} 18'$ W., beginning new measurement.

Cont. over nearly level desert land.

40.02 The cor. of secs. 1, 2, 35 and 36 mkd. by the original monument, a limestone $10 \times 4 \times 3$ ins., firmly set and plainly mkd.

At the point for the cor.

Dependent Resurvey, S. Bdy., T. 17 S., R. 12 W.

Chains

Survey

Set an iron post, 30 ins. long, 2½ ins. diam., 15 ins. in the ground and in a mound of stone, 3 ft. base, to top of post with brass cap mkd.

T17S R12W

S35|S36

S 2|S 1

T18S

1959

Bury the original cor. alongside the iron post, as shown on map. Land, nearly level desert. Soil, light sandy clay. Timber, none.

S. 89° 24' W., bet. secs. 2 and 35.

Over nearly level desert land.

0.08 Fence, bears N. and S.

40.02 The ¼ sec. cor. of secs. 2 and 35, mkd. by the original monument, a limestone, 12x8x4 ins., firmly set and plainly mkd!

At the point for the cor.

Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground with brass cap mkd.

T17S R12W

S35

¼ S 2

T18S

1959

Build a mound of stone, 3 ft. base, 1½ ft. high, N. of iron post.

Bury the original cor. alongside the iron post.

S. 89° 14' W., beginning new measurement.

Cont. over nearly level desert land.

40.06 The cor. of secs. 2, 3, 34 and 35 mkd. by the original monument, a limestone, 6x6x4 ins., firmly set and plainly mkd.

At the point for the cor.

Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground with brass cap mkd.

T17S R12W

S34|S35

S 3|S 2

T18S

1959

Build a mound of stone, 3 ft. base, 1½ ft. high, W. of iron post.

Bury original cor. alongside the iron post.

Land, nearly level desert.

Land, light sandy clay.

Timber, none.

S. 89° 09' W., bet. secs. 3 and 34.

Chains

S. 89° 09' W., bet. secs. 3 and 34.

Over nearly level desert land.

40.03

The $\frac{1}{4}$ sec. cor. of secs. 3 and 34 mkd. by the original monument, a limestone, 6x4x2 ins., firmly set and plainly mkd.

At the point for the cor.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 22 ins. in the ground with brass cap mkd.

T17S R12W

$\frac{1}{4}$ S34

S 3

T18S

1959

Build a mound of stone, 3 $\frac{1}{2}$ ft. base, 2 ft. high, N. of iron post.

Bury the original cor. alongside iron post.

S. 89° 04' W., beginning new measurement.

Cont. over nearly level desert land.

40.05

The cor. of secs. 3, 4, 33 and 34, mkd. by the original monument, a limestone 14x10x6 ins. firmly set and plainly mkd.

At the point for the cor.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 22 ins. in the ground with brass cap mkd.

T17S R12W

S33 | S34

S 4 | S 3

T18S

1959

Build a mound of stone, 2 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, W. of iron post.

Bury original cor. alongside iron post.

Land, nearly level desert.

Soil, sandy light clay.

Timber, none.

S. 89° 06' W., bet. secs. 4 and 33.

Over nearly level desert land.

28.10

Wash, 20 lks. wide, 2 ft. deep, drains S. 60° E.

40.03

The $\frac{1}{4}$ sec. cor. of secs. 4 and 33 mkd. by the original monument, a limestone, 8x6x4 ins., firmly set and plainly mkd.

At the point for the cor.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 22 ins. in the ground with brass cap mkd.

Dependent Resurvey, S. 17 S., R. 12 W.

Chains

T17S R12W

$\frac{1}{4}$ $\frac{S33}{S4}$

T18S
1959

Build a mound of stone, $3\frac{1}{2}$ ft. base, 2 ft. high, N. of iron post.

Bury the original monument alongside the iron post.

S. $89^{\circ} 09'$ W., beginning new measurement.

Cont. over nearly level desert land.

11.80 Graded road, bears N. 30° W. and S. 30° E.

40.07 The cor. of secs. 4, 5, 32 and 33 mkd. by the original monument, a limestone, $14 \times 6 \times 4$ ins., firmly set and plainly mkd.

At the point for the cor.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the ground with brass cap mkd.

T17S R12W

$\frac{S32}{S5}$ $\frac{S33}{S4}$

T18S
1959

Build a mound of stone, 3 ft. base, $1\frac{1}{2}$ ft. high, W. of iron post.

Bury the original cor. alongside the iron post.

Land, nearly level desert.

Soil, light sandy clay.

Timber, none.

S. $89^{\circ} 07'$ W., bet. secs. 5 and 32.

Over nearly level desert land.

15.50 Wash, 20 lks. wide, 2 ft. deep, course S. 70° E.

39.94 The $\frac{1}{4}$ sec. cor. of secs. 5 and 32, mkd. by the original monument, a limestone, $8 \times 6 \times 4$ ins., firmly set and plainly mkd.

At the point for the cor.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the ground with brass cap mkd.

T17S R12W

$\frac{S32}{S5}$

T18S
1959

Build a mound of stone, 3 ft. base, $1\frac{1}{2}$ ft. high, N. of the iron post.

Bury the original cor. alongside the iron post.

S. $88^{\circ} 53'$ W., beginning new measurement.

8.00 T. 18 S., R. 12 W., an iron post, 2½ ins. diam.,

Chains

Cont. over nearly level desert land.

38.80

Wash, 30 lks. wide, 2 ft. deep, course S. 50° E.

39.97

The cor. of secs. 5, 6, 31 and 32 mkd. by the original monument, a limestone, 10x8x4 ins., firmly set and plainly mkd.

At the point for the cor.

Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.

T178 R12W

S31 S32

S 6 S 5

T18S

1959

Build a mound of stone, 3 ft. base, 1½ ft. high, W. of iron post.

Bury the original cor. alongside the iron post.

Land, nearly level desert.

Soil, light sandy clay.

Timber, none.

S. 89° 14' W., bet. secs. 6 and 31.

Over nearly level desert land.

23.80

Wash, 20 lks. wide, 2 ft. deep, course S. 50° E.

39.97

The ¼ sec. cor. of secs. 6 and 31, mkd. by the original monument, a limestone, 12x10x6 ins., firmly set and plainly mkd.

At the point for the cor.

Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground with brass cap mkd.

T17S R12W

¼ S31

S 6

T18S

1959

Build a mound of stone, 3½ ft. base, 3 ft. high, N. of the iron post.

Bury the original cor. alongside iron post.

S. 89° 03' W., beginning new measurement.

Cont. over nearly level desert land.

13.80

Wash, 20 lks. wide, 2 ft. deep, drains S. 40° E.

13.80

Graded road, bears S. 20° W. and N. 20° E.

23.60

Trail road, bears SE. and N. 30° E.

35.70

Wash, 30 lks. wide, 3 ft. deep, course S. 70° E.

44.95

The cor. of Tps. 17 and 18 S., R. 12 W., an iron post, 2½ ins. diam., described in the field notes of the dependent resurvey of the W. bdy. of T. 18 S., R. 12 W.

T. 17 S. R. 12 W.

Chains

Land, nearly level desert.
Soil, light sandy clay.
Timber, none.

Survey of the North Boundary of Township 17 South, Range 12 West

From the cor. of Tps. 16 and 17 S., Rs. 11 and 12 W., mkd. by an iron post, 3 ins. diam., conforming to the record.

West, bet. secs. 1 and 36.

Over nearly level desert land.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 1 and 36.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 20 ins. in the ground with brass cap mkd.

T16S R12W

$\frac{1}{4}$ S36

S 1

T17S

1959

Build a mound of stone, $2\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of iron post.

59.90 Graded road, bears S. 30° W. and N. 30° E.

60.70 Fence, bears S. 30° W. and N. 30° E.

80.00 Point for the cor. of secs. 1, 2, 35 and 36.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 20 ins. in the ground with brass cap mkd.

T16S R12W

S35 S36

S 2 S 1

T17S

1959

Build a mound of stone, $2\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of iron post.

Land, nearly level desert.

Soil, light sandy clay.

Timber, none.

West, bet. secs. 2 and 35.

Over nearly level desert land.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 35.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 18 ins. in the ground with brass cap mkd.

T16S R12W

$\frac{1}{4}$ S35

S 2

T17S

1959

Build a mound of stone, 3 ft. base, 2 ft. high, N. of iron post.

N. Edv. T17S., R. 12 W.

Chains

75.10 Wash, 20 lks. wide, 3 ft. deep, course S. 70° E.

80.00 Point for the cor. of secs. 2, 3, 34 and 35.

Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground and in a mound of stone, 4 ft. base, to top of post, with brass cap mkd.

T16S R12W:

S34|S35

S 3|S 2

T17S

1959

Build a mound of stone, 4 ft. base, 2 ft. high, W. of iron post.

Land, nearly level desert.

Soil, light sandy clay.

Timber, none.

West, bet. secs. 3 and 34.

Over nearly level desert land.

.20 Wash, 20 lks. wide, 2 ft. deep, course S. 60° E.

7.00 Wash, 50 lks. wide, 4 ft. deep, course S. 70° E.

14.10 Trail road, bears S. 20° E. and N. 20° W.

18.50 Trail road, bears S. 30° E. and N. 20° W.

40.00 Point for the ¼ sec. cor. of secs. 3 and 34.

Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground, with brass cap mkd.

T16S R12W

S34

¼ S 3

T17S

1959

Build a mound of stone, 3 ft. base, 1½ ft. high, N. of iron post.

Thence over broken land; asc. 90 ft. over E. slope.

44.20 Top of ascent; desc. 100 ft. over ledgy NW. slope.

48.20 Wash, 30 lks. wide, 5 ft. deep, course NE.

57.40 Wash, 40 lks. wide, 4 ft. deep, course N. 60° E.; asc. 120 ft. over E. slope.

69.20 Spur, projects SE., 6 chs. to end; desc. 30 ft. over W. slope.

77.20 Base of descent, bears N. and S.

80.00 Point for the cor. of secs. 3, 4, 33 and 34.

Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground with brass cap mkd.

T16S R12W

S33|S34

S 4|S 3

T17S

1959

..., N. Bdy., T. 17 S., R. 12 W.

Chains

Build a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, W. of iron post.

Land, nearly level in E.; broken in W.

Soil, sandy clay in E.; clay and rocky in W.

Timber, none.

West, bet. secs. 4 and 33.

Over broken land.

29.40 Trail road, bears N. 20° E. and S. 20° W.

30.40 Wash, 20 lks. wide, 2 ft. deep, course N. 30° E.; asc. 120 ft. over E. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 4 and 33.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 4 ins. in the ground bedrock and in a mound of stone 4 ft. base to top of post, with brass cap mkd.

T16S R12W

$\frac{S33}{S 4}$

T17S

1959

Asc. 440 ft. over E. slope.

64.30 Top of ascent, bears S. 20° E. and N. 20° W.; desc. 160 ft. over SW. slope.

73.70 Wash, 40 lks. wide, 3 ft. deep, course S. 60° E.; asc. 320 ft. over NE. slope.

80.00 Point for the cor. of secs. 4, 5, 32 and 33.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 1 in. in the ground solid rock and supported in a mound of stone 4 ft. base to top of post, with brass cap mkd.

T16S R12W

$\frac{S32}{S 5} \frac{S33}{S 4}$

T17S

1959

Land, broken.

Soil, clay and rock.

Timber, none.

West, bet. secs. 5 and 32.

Over broken land; asc. 310 ft. over NE. slope.

12.30 Top of ascent, bears N. 20° W. and S.; desc. 120 ft. over SW. slope.

22.40 Wash, 20 lks. wide, 3 ft. deep, course S. 20° W.; asc. 170 ft. over SE. slope.

30.70 Spur, slopes S.; desc. 240 ft. over SW. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 5 and 32.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 20 ins. in the ground with brass cap mkd.

T. 17 S. R. 12 W.

Chains

T16S R12W

$$\frac{S32}{S5}$$
T17S
1959Build a mound of stone, $2\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of iron post.

Desc. 20 ft. over SW. slope.

49.40 Wash, 40 lks. wide, 2 ft. deep, course S. 70° E.; asc. 640 ft. over NE. slope.

80.00 Point for the cor. of secs. 5, 6, 31 and 32.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground to bedrock and supported in a mound of stone, 3 ft. base, to top of post, with brass cap mkd.

T16S R12W

$$\frac{S31}{S6} \quad \frac{S32}{S5}$$
T17S
1959

Land, rough and broken.

Soil, clay and limestone surface rock.

Timber, none.

West, bet. secs. 6 and 31,

Over broken land, through scattered timber; asc. 420 ft. over rocky SE. slope.

23.50 Top of ascent, bears NE. and SW.; desc. 200 ft. over NW. slope.

39.50 Wash, drains NE.; asc. SE. slope.

40.00 Point for the $\frac{1}{2}$ sec. cor. of secs. 6 and 31.Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 14 ins. in the ground and supported in a mound of stone, $2\frac{1}{2}$ ft. base, to top, with brass cap mkd.

T16S R12W

$$\frac{S31}{S6}$$
T17S
1959

Thence by triangulation over the rough E. slope of Swazey Mountain. Topography calls estimated. Asc. NE. slope through dense timber.

45.00 Spur, slopes NE.; desc. 200 ft. over NW. slope.

55.00 Wash, drains NE.; asc. about 800 ft. over NE. slope.

75.20 Top of ascent, bears NW. and SE.; desc. 240 ft. over steep SW. slope.

84.82 Intersect the E. bdy. of sec. 36, T. 16 S., R. 13 W., at the point for the closing cor. of Tps. 16 and 17 S., R. 12 W.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground to bedrock and supported in a mound of stone, 4 ft. base, to top of post, with brass cap mkd.

T. 17 S., R. 12 W.

T16S
R13W R12W
S36 | S31 C
 | S 6 C
T17S
1959

From this closing cor., the $\frac{1}{4}$ sec. cor. of sec. 36, T. 16 S., R. 13 W. bears S., 7.21 chs. dist., an iron post, 2 $\frac{1}{2}$ ins. diam., described in the field notes of the survey of the E. bdy. of T. 16 S., R. 13 W.

Land, rough and mountainous.

Soil, light clay and limestone surface rock.

Timber, scattered juniper and pinon in the E.; dense growth in the

Survey of a Portion of the Subdivision of T. 17 S., R. 12 W.

From the cor. of secs. 1, 2, 35 and 36 on the S. bdy. of the Tp.

N. 0° 01' W., bet. secs. 35 and 36.

Over nearly level desert valley land.

41.05 Point for the $\frac{1}{4}$ sec. cor. of secs. 35 and 36.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 22 ins. in the ground with brass cap mkd.

T17S R12W
 $\frac{1}{4}$
S35 | S36
1959

Build a mound of stone, 2 $\frac{1}{2}$ ft. base, 2 ft. high, W. of iron post.

81.05 Point for the cor. of secs. 25, 26, 35 and 36 at a position calculated to intersect a theoretical sectional correction line extended from the cor. of secs. 25 and 36, on the E. bdy. of the Tp.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 20 ins. in the ground with brass cap mkd.

T17S R12W
S26 | S25
S35 | S36
1959

Build a mound of stone, 3 ft. base, 1 $\frac{1}{2}$ ft. high, W. of iron post.

Land, nearly level desert.

Soil, light sandy clay.

Timber, none.

From the cor. of secs. 25 and 36 on the E. bdy. of the Tp., an iron post, 2 ins. diam., conforming to the record.

West, bet. secs. 25 and 36 on a sectional correctional line.

Over nearly level desert land.

40.01 Point for the $\frac{1}{4}$ sec. cor. of secs. 25 and 36.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 20 ins. in the ground with brass cap mkd.

South Portion of T. 17 S., R. 12 W.

Chains	
	<p>T17S R12W</p> <p>$\frac{1}{4}$ $\frac{S25}{S36}$</p> <p>1959</p> <p>Build a mound of stone, 3 ft. base, $1\frac{1}{2}$ ft. high, N. of iron post.</p>
80.02	<p>The cor. of secs. 25, 26, 35 and 36.</p> <p>Land, nearly level desert.</p> <p>Soil, light sandy clay.</p> <p>Timber, none.</p>
	<p>From the cor. of secs. 3, 4, 33 and 34 on the S. bdy. of the Tp.</p> <p>N. $0^{\circ} 02'$ W., bet. secs. 33 and 34.</p> <p>Over nearly level desert valley land.</p>
36.50	Wash, 40 lks. wide, 1 ft. deep, drains S. 70° E.
43.24	Point for the $\frac{1}{4}$ sec. cor. of secs. 33 and 34.
	<p>Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.</p> <p>T17S R12W</p> <p>$\frac{1}{4}$ $\frac{S33}{S34}$</p> <p>1959</p>
	<p>Raise a mound of stone, 3 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.</p> <p>Cont. over nearly level desert land.</p>
44.74	Wash, 40 lks. wide, 2 ft. deep, drains S. 70° E.
83.24	<p>Point for the cor. of secs. 27, 28, 33 and 34 at a position calculated to intersect a theoretical sectional correction line extended from the cor. of secs. 25 and 36 on the E. bdy. of the Tp.</p> <p>Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 20 ins. in the ground, with brass cap mkd.</p> <p>T17S R12W</p> <p>$\frac{S28}{S33}$ $\frac{S27}{S34}$</p> <p>1959</p>
	<p>Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.</p> <p>Land, nearly level desert valley.</p> <p>Soil, light sandy clay.</p> <p>Timber, none.</p>
	<p>N. $0^{\circ} 02'$ W., bet. secs. 27 and 28.</p> <p>Over nearly level desert land.</p>
1.90	Wash, 20 lks. wide, 2 ft. deep, drains S. 70° W.
9.30	Wash, 40 lks. wide, 1 ft. deep, drains S. 60° E.
24.00	Begin ascent over SE. slope; asc. 110 ft.

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Survey, Portion of Subdivision, T17S R12W

Chains	
36.30	Ridge, bears N. 70° E.; desc. 40 ft. over N. slope.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 27 and 28. Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground with brass cap mkd.
	T17S R12W S28 S27 1959
	Raise a mound of stone, 3 ft. base, 1½ ft. high, W. of cor. Desc. 20 ft. over rolling N. slope.
44.80	Trail road, bears S. 70° E. and S. 60° W.; cont. over rolling desert land.
49.20	Wash, 40 lks. wide, 3 ft. deep, drains E.
78.60	Wash, 30 lks. wide, 2 ft. deep, drains E.
80.00	Point for the cor. of secs. 21, 22, 27 and 28. Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to bedrock and in a mound of stone, to top, 4 ft. base, with brass cap mkd.
	T17S R12W S21 S22 S28 S27 1959
	Land, nearly level and rolling desert land. Soil, sandy and clay. Timber, none.
	N. 0° 02' W., bet. secs. 21 and 22.
	Over nearly level desert land.
14.90	Wash, 30 lks. wide, 1 ft. deep, drains S. 70° E.
33.60	Wash, 40 lks. wide, 1 ft. deep, drains E.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 21 and 22. Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground, with brass cap mkd.
	T17S R12W S21 S22 1959
	Raise a mound of stone, 3 ft. base, 1½ ft. high, W. of cor. Cont. over nearly level desert land.
56.00	Graded road, bears N. 70° E. and S. 70° W.
75.90	Wash, 30 lks. wide, 3 ft. deep, drains S. 70° E.
80.00	Point for the cor. of secs. 15, 16, 21 and 22. Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground, with brass cap mkd.

Survey, Portion of Subdivision, T. 17 S., R. 12 W.

Chains

T17S R12W

S16|S15

S21|S22

1959

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

Land, nearly level desert land.

Soil, sand and clay.

Timber, none.

N. 0° 02' W., bet. secs. 15 and 16.

Over rolling desert land.

2.90 Wash, 30 lks. wide, 2 ft. deep, drains S. 50° E.; asc. 110 ft. over SE. slope.

15.10 Top of ascent, bears S. 70° E. and S. 70° W.; desc. 60 ft. over NW. slope.

31.10 Wash, 40 lks. wide, 3 ft. deep, drains S. 20° W.; asc. 40 ft. over S. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 15 and 16.

Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground, with brass cap mkd.

T17S R12W

 $\frac{1}{4}$

S16|S15

1959

Raise a mound of stone 3 ft. base, 1½ ft. high, W. of cor.

Asc. 90 ft. over rolling S. slope.

75.40 Wash, 40 lks. wide, 3 ft. deep, drains S. 40° E.; asc. 40 ft. over S. slope.

80.00 Point for the cor. of secs. 9, 10, 15 and 16.

Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to bedrock and in a mound of stone to top, 4 ft. base, with brass cap mkd.

T17S R12W

S 9|S10

S16|S15

1959

Land, rolling.

Soil, shallow sand and clay.

Timber, none.

N. 0° 02' W., bet. secs. 9 and 10.

Over low rolling mountainous land, through scattered timber.

8.00 Begin ascent over steep and ledgy SW. slope; asc. 230 ft.

25.80 Top of ascent, along ledgy W. slope; desc. 50 ft. over NW. slope.

33.80 Base of descent on W. slope; asc. 40 ft. over SE. slope.

Portion of Subdivision, T. 17 S., R. 12 W.

Chains	
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 9 and 10. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 12 ins. in the ground to bedrock and in a mound of stone to top, 4 ft. base, with brass mkd. T17S R12W $\frac{1}{4}$ S 9 S10 1959 Asc. 90 ft. over SE. slope.
47.70	Top of ascent, bears N. 80° W. and SE.; by triangulation, desc. ab. 400 ft. over broken N. slope.
57.00	Wash, 30 lks. wide, 3 ft. deep, drains S. 80° E.; asc. about 400 ft. over steep SE. slope.
68.00	Spur, bears E.; thence along broken E. slope.
80.00	End of triangulation. Point for the cor. of secs. 3, 4, 9 and 10. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 10 ins. in the ground to bedrock and in a mound of stone to top, 3 ft. base, with brass mkd. T17S R12W S 4 S 3 S 9 S10 1959 Land, rolling and broken, mountainous. Soil, sandy clay and exposed limestone. Timber, scattered juniper and pinon. N. $0^{\circ} 01'$ E., bet. secs. 3 and 4. Over broken, mountainous land, through scattered timber; asc. 10 ft. over SE. slope.
2.40	Top of ascent, bears N. 40° E. and S. 40° W.; desc. 290 ft. over NW slope.
15.20	Wash, 30 lks. wide, 3 ft. deep, drains N. 60° E.; asc. 240 ft. over SE. slope.
33.20	Top of ascent, bears N. 70° E. and S. 60° W.; desc. 60 ft. over NE. slope.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 3 and 4. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 10 ins. in the ground to bedrock and in a mound of stone to top, 4 ft. base, with brass mkd. T17S R12W $\frac{1}{4}$ S 4 S 3 1959 Desc. 330 ft. over NE. slope.
80.00	Point for the $\frac{1}{16}$ sec. cor. of secs. 3 and 4.

... off ... T. 17 S. ... 12 W.

Chains

Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground to bedrock and in a mound of stone to top, 4 ft. base, with brass cap

T17S R12W

1/16

S 4|S 3

80

1959

Desc. 50 ft. over NE. slope.

91.70 Wash, 30 lks. wide, 2 ft. deep, drains S. 70° E.; asc. 20 ft. over SW. slope.

103.02 The cor. of secs. 3, 4, 33 and 34 on the N. bdy. of the Tp.

Land, mountainous.

Soil, sandy clay and exposed limestone.

Timber, scattered juniper and pinon.

From the cor. of secs. 2, 3, 34 and 35 on the N. bdy. of the Tp.

S. 0° 01' E., bet. secs. 2 and 3.

Over rolling desert valley land, draining SE.

5.70 Wash, 30 lks. wide, 3 ft. deep, drains S. 70° E.

23.04 Point for the 1/16 sec. cor. of secs. 2 and 3.

Set an iron post, 30 ins. long, 2½ ins. diam., 15 ins. in the ground to bedrock and in a mound of stone to top, 3 ft. base, with brass cap mkd.

T17S R12W

1/16

S 3|S 2

80

1959

Cont. over rolling desert land, draining SE.

63.04 Point for the ¼ sec. cor. of secs. 2 and 3.

Set an iron post, 30 ins. long, 2½ ins. diam., 15 ins. in the ground to bedrock and in a mound of stone to top, 3 ft. base, with brass cap mkd.

T17S R12W

¼

S 3|S 2

1959

Cont. over rolling desert land, draining E.

103.04 Point for the cor. of secs. 2, 3, 10 and 11.

Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground, with brass cap mkd.

T17S R12W

S 3|S 2

S10|S11

1959

Raise a mound of stone, 3 ft. base, 2 ft. high, W. pf cor.

Portion of Subdivision, T. 17 S., R. 12 W.

Chains

Land, rolling desert.
Soil, shallow sandy clay.
Timber, none.

S. 89° 59' E., bet. secs. 2 and 11 on a theoretical parallel c...
ing the cor. of secs. 1, 6, 7 and 12 on the E. bdy. and the cor. of
secs. 3, 4, 9 and 10 as specified in the special instructions.

Over gently rolling desert land, draining E.; desc. 40 ft.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 11.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 20 ins. in the
with brass cap mkd.

T17S R12W.

$\frac{1}{4}$ S 2
S11
1959

Raise a mound of stone, 2 $\frac{1}{2}$ ft. base, 2 ft. high, N. of cor.

Cont. over nearly level desert land.

64.60 Fence, 4 strand barb, bears N. 20° E. and S. 20° W.

65.40 Graded road, bears N. 20° E. and S. 20° W.

80.00 Point for the cor. of secs. 1, 2, 11 and 12.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 20 ins. in the
with brass cap mkd.

T17S R12W

S 2 | S 1
S11 | S12
1959

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

Land, gently rolling to nearly level desert.

Soil, shallow sandy clay.

Timber, none.

N. 0° 03' W., bet. secs. 1 and 2.

Over nearly level desert land, draining SE.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 1 and 2.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 20 ins. in the
with brass cap mkd.

T17S R12W

S 2 | S 1
S11 | S12
1959

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

Cont. over nearly level desert land.

43.40 Graded road, bears N. 20° E. and S. 20° W.

45.90 Fence, 4 strand bard, bears N. 20° E. and S. 20° W.

Portion of Subdivision, T. 17 S., R. 12 W.

Chains

80.00 Point for the 1/16 sec. cor. of secs. 1 and 2.

Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground, with brass cap mkd.

T17S R12W

S 2 | S 1

80

1959

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

Cont. over nearly level desert land.

103.05 The cor. of secs. 1, 2, 35 and 36 on the N. bdy. of the Tp.

Land, nearly level desert.

Soil, sandy clay.

Timber, none.

From the cor. of secs. 15, 16, 21 and 22,
West, bet. secs. 16 and 21.
Over rolling land, draining E.; asc. 30 ft.

14.40 Wash, 40 lks. wide, 2 ft. deep, drains S. 70° E.; asc. 40 ft. over rolling E. slope.

35.00 Same wash, drains N. 85° E.; asc. 20 ft. over E. slope.

40.00 Point for the ¼ sec. cor. of secs. 16 and 21.

Set an iron post, 30 ins. long, 2½ ins. diam., 15 ins. in the ground to bedrock and in a mound of stone to top, 3 ft. base, with brass cap mkd.

T17S R12W

½ S16

½ S21

1959

Asc. 110 ft. over SE. slope.

67.80 Top of ascent, bears S. 40° E. and N. 40° W.; desc. 20 ft. over SW. slope.

78.90 Same wash, drains S. 70° E.

80.00 Point for the cor. of secs. 16, 17, 20 and 21.

Set an iron post, 30 ins. long, 2½ ins. diam., 15 ins. in the ground to bedrock and in a mound of stone to top, 4 ft. base, with brass cap mkd.

T17S R12W

S17 | S16

S20 | S21

1959

Land, rolling.

Soil, sandy clay.

Timber, none.

N. 0° 03' W., bet. secs. 16 and 17.

Over low, mountainous land.

Portion of T. 17 S. R. 12 W.

Chains

- 1.20 Wash, 20 lks. wide, 1 ft. deep, drains S. 70° E.; asc. 130 ft. over SW. slope.
- 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 16 and 17.
- Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground to bedrock and in a mound of stone to top, 4 ft. base, with brass cap mkd.
- T17S R12W
 $\frac{1}{4}$
 S17 | S16
 1959
- Asc. 50 ft. over S. slope.
- 45.00 Spur, bears W., 12 chs. to end; desc. 40 ft. over NW. slope.
- 61.00 Base of descent on W. slope; asc. 210 ft. over SW. slope.
- 80.00 Point for the cor. of secs. 8, 9, 16 and 17.
- Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground to bedrock and in a mound of stone to top, 4 ft. base, with brass cap mkd.
- T17S R12W
 $\frac{S}{S17}$ | $\frac{S}{S16}$
 1959
- Land, low, mountainous.
 Soil, sandy clay and exposed limestone.
 Timber, none.
- From the cor. of secs. 9, 10, 15 and 16.
- West, bet. secs. 9 and 16.
- Over broken mountainous land; desc. 20 ft. over SW. slope.
- 1.20 Wash, 40 lks. wide, 2 ft. deep, drains S. 40° E.; asc. 340 ft. over steep NE. slope.
- 21.40 Top of ascent, bears S. 40° E. and N. 40° W.; desc. 220 ft. over SW. slope.
- 40.04 Point for the $\frac{1}{4}$ sec. cor. of secs. 9 and 16.
- Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to bedrock and in a mound of stone to top, 3½ ft. base, with brass cap mkd.
- T17S R12W
 $\frac{S}{S17}$ | $\frac{S}{S16}$
 $\frac{1}{4}$
 1959
- Desc. 110 ft. over SW. slope.
- 46.70 Wash, 20 lks. wide, 2 ft. deep, drains S. 60° E.; asc. 390 ft. over steep NE. slope.
- 64.50 Top of ascent, bears N. 40° W. and S. 40° E.; desc. 100 ft. over SW. slope.

Portion of Subdivis T. 17 S. R. 12 W.

Chains

80.09 The cor. of secs. 8, 9, 16 and 17.

Land, broken, mountainous.
Soil, sandy clay and exposed limestone.
Timber, none.

From the cor. of secs. 4, 5, 32 and 33 on the S. bdy. of the Tp.
N. 0° 03' W., bet. secs. 32 and 33.

Over gently rolling desert land, draining SE.

13.90 Wash, 20 lks. wide, 1 ft. deep, drains S. 65° W.

34.90 Graded road, bears SE. and NW.

40.10 Wash, 20 lks. wide, 1 ft. deep, drains SE.

44.46 Point for the $\frac{1}{4}$ sec. cor. of secs. 32 and 33.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 20 ins. in the ground, with brass cap mkd.

T17S R12W

$\frac{1}{4}$
S32 | S33
1959

Raise a mound of stone, 2 $\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.

Cont. over gently rolling land, draining SE.

54.60 Wash, 20 lks. wide, 1 ft. deep, drains S. 70° E.

80.60 Wash, 60 lks. wide, 2 ft. deep, drains S. 70° E.

84.46 Point for the cor. of secs. 28, 29, 32 and 33 at a calculated position to intersect a theoretical sectional correction line extended from the cor. of secs. 25 and 36 on the E. bdy. of the Tp.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 20 ins. in the ground, with brass cap mkd.

T17S R12W

S29 | S28
S32 | S33
1959

Land, gently rolling desert.
Soil, sandy clay.
Timber, none.

From the cor. of secs. 5, 6, 31 and 32 on the S. bdy. of the Tp.

N. 0° 03' W., bet. secs. 31 and 32.

Over gently rolling desert land, draining SE.

18.70 Wash, 30 lks. wide, 2 ft. deep, drains S. 40° E.

36.10 Wash, 40 lks. wide, 3 ft. deep, drains S. 30° E.

45.86 Point for the $\frac{1}{4}$ sec. cor. of secs. 31 and 32.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap mkd.

Portion of T. 17 S. R. 12 W.

Chains

T17S R12W

S31|S32

1959

Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.

Cont. over rolling desert land, draining SE.

85.86 Point for the cor. of secs. 29, 30, 31 and 32 at a calculated position to intersect a theoretical sectional correction line from the cor. of secs. 25 and 36, on the E. bdy. of the Tp.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 20 ins. in the ground with brass cap mkd.

T17S R12W

S30|S29

S31|S32

1959

Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.

Land, rolling desert.

Soil, sandy clay.

Timber, none.

From the cor. of secs. 28, 29, 32 and 33.

West, bet. secs. 29 and 32 on a sectional correctional line.

Over rolling desert land, draining E.

7.10 Wash, 60 lks. wide, 2 ft. deep, drains S. 70° E.

15.90 Wash, 40 lks. wide, 3 ft. deep, drains S. 70° E.

39.95 Point for the $\frac{1}{4}$ sec. cor. of secs. 29 and 32.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 10 ins. below the ground, with brass cap mkd.

T17S R12W

$\frac{1}{4}$ S29

S32

1959

From which

An iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., set 15 ins. in the ground to bedrock and in a mound of stone to top, 4 ft. base to top, for a reference monument, bears N. 45° E., 30 ft. dist., with brass cap mkd., T17S R12W RM 30.0 ft. S29 1959, with an arrow pointing to the true cor.

An iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., set 22 ins. in the ground, with a mound of stone, 3 ft. base, 2 ft. high, S., for a reference monument, bears S. 45° W., 30 ft. dist., with brass cap mkd., T17S R12W RM S32 30.0 ft. 1959, with an arrow pointing to the true cor.

Cont. over rolling desert land, draining E.

40.00 Graded road, bears SE. and NW.

79.90 The cor. of secs. 29, 30, 31 and 32.

Survey, Portion of Subdivision, T. 17 S., R. 12 W.

Chains

Land, rolling desert.
Soil, sandy clay.
Timber, none.

General Description

The land within this township is rolling desert land with the exception of the northwest quarter of the township, which is broken, mountainous land. The elevation varies from 5,000 feet above sea level, on the desert, to 7,800 feet above sea level on the higher ridges in the mountains. The area drains easterly into the desert.

The soil varies from sandy clay on the desert to clay and exposed limestone on the mountains.

The timber is composed of pinon and juniper, on the mountains, of little commercial value.

Principal users of the area are sheepmen, and access into the township is provided by desert roads.

No mineral formations of consequence were noted during the survey.

U. S. GOVERNMENT PRINTING OFFICE: 1964 O - 347182

Chains

U. S. GOVERNMENT PRINTING OFFICE
1964 O - 347182

U. S. GOVERNMENT PRINTING OFFICE

U. S. GOVERNMENT PRINTING OFFICE
1964 O - 347182

U. S. GOVERNMENT PRINTING OFFICE
1964 O - 347182

U. S. GOVERNMENT PRINTING OFFICE
1964 O - 347182

U. S. GOVERNMENT PRINTING OFFICE
1964 O - 347182

U. S. GOVERNMENT PRINTING OFFICE
1964 O - 347182

CERTIFICATE OF CADASTRAL ENGINEER

I, Vern E. Lane, HEREBY CERTIFY upon honor that, pursuant of special instructions bearing date of the 15th day of August, 1960, and supplemental special instructions dated 29th day of June, 1960, I have ~~surveyed~~ supervised the ~~dependent resurvey~~ of the south ~~boundary~~ and of the north boundary and a portion of the subdivision of T. 17 S., R. 12 W.

of the Salt Lake Meridian, in the State of Utah, which ~~is represented in the foregoing field notes as having been executed by me and under my direction~~ under my supervision said survey has been made in strict conformity with said instructions, the Manual of Instructions for Survey of the Public Lands of the United States, and in the specific manner described in the field notes.

Salt Lake City, Utah

April 26, 1960

Vern E. Lane - Cadastral Engineer

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., DEC 9 1960, 19

The foregoing field notes of the survey of the north boundary and a portion of the subdivision, and the dependent resurvey of the south boundary of T. 17 S. R. 12 W. Salt Lake Meridian, Utah

executed by Eldon W. Sibley, Cartographer Survey Aid under the supervision of Vern E. Lane, Cadastral Surveyor having been critically examined and found correct, are hereby approved.

[Signature]
Cadastral Engineering Staff Officer.

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above described surveys in _____, is a true copy of the original field notes.

[Signature]
Cadastral Engineering Staff Officer.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ORIGINAL

FIELD NOTES

OF THE

SURVEY

OF THE EAST AND NORTH BOUNDARIES

AND A PORTION OF THE SUBDIVISION

OF

TOWNSHIP 17 SOUTH, RANGE 13 WEST

Of the Salt Lake Meridian,

In the State of Utah

EXECUTED BY

Vern E. Lane, Cadastral Surveyor (Chief of Party)

Lacel E. Bland, Cadastral Surveyor

Eldon W. Sibley, Cartographic Survey Aid

Under special instructions dated August 15, 1936, which provided
Supplemental special instructions dated June 29, 1954, September 22, 1936
for the surveys included under Group No. 275, approved July 15, 1954
and assignment instructions dated July 27, 1959

Survey commenced July 27, 1959

Survey completed October 30, 1959

INDEX DIAGRAM

Township 17 South						Range 13 West	
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		20					
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31	22 32	21 33	13 34	35	12 36	1	

GPO 866119

Lacel E. Bland _____

Eldon W. Sibley _____

T. 17 South, R. 13 West

Chains

The south and west boundaries were surveyed concurrently and are described in the field notes of T. 18 S., R. 13 W. and T. 17 S., R. 14 W., respectively.

The following field notes are those of the survey of the east and north boundaries and a portion of the subdivision of T. 17 S., R. 13 W., deemed sufficient to facilitate the development of the natural resources and mark the boundaries of those sections that are normally considered state school sections.

The survey was executed with W. & L. E. Gurley Solar Transits Nos. 491037 and 580515 constructed in accordance with the standard instrumental specifications of the Bureau of Land Management. The instruments were in good condition prior to the beginning of the survey and were maintained in proper adjustment throughout the progress of this survey.

Corners on east-west lines were set on the true latitudinal curve. Lines connecting previously established corners were run by random and true method, but for simplification of the record the random lines are omitted from the field notes. In accordance with the intent of the special instructions, all subdivisional corners established are calculated to be at the position they would occupy if the entire township were subdivided.

Measurements herein contained were made with a narrow steel tape, 8 chains in length, graduated every link for the first 100 links and thereafter at intervals of 10 links. The tape was tested by comparison with a 1 chain standard steel tape and found to be correct. Measurements were made on the slope with the vertical angle of each interval ascertained by a clinometer in good adjustment; horizontal equivalents alone are entered in the field notes. All lines of this survey were run by direct method where the lines were accessible; lines inaccessible were run by traverse or triangulation methods. The details of such traverses or triangulations have been thoroughly checked and verified, and in order to simplify the record the diagrams and reductions are omitted from these field notes.

The direction of the lines of this survey were determined by reference to true meridians established on line by hour angle observations on Polaris or altitude observations on the sun. The lines were carried forward by sustained angulation being supplemented by other numerous altitude observations on the sun taken throughout the progress of the survey.

The geographic position for the southeast corner of the township is at latitude $39^{\circ} 16' 46.5''$ N. and longitude $113^{\circ} 15' 20.3''$ W. as adjusted from traverse along section lines to U. S. G. S. triangulation station Water Tank, near the crossroads at Painter Springs.

The magnetic declination was read at a number of stations throughout the township and the average of these readings was found to be $16^{\circ} 30'$ East.

Survey of the East Boundary of T. 17 S., R. 13 W.

Beginning at the cor. of Tps. 17 and 18 S., R. 12 W., an iron post, $2\frac{1}{2}$ ins. diam., set, mkd. and witnessed as described in the field notes of T. 18 S., R. 13 W.

From this point the cor. of Tps. 17 and 18 S., R. 13 W., monumented by an iron post, $2\frac{1}{2}$ ins. diam., as described in the field notes of T. 18 S., R. 12 W., bears $S. 0^{\circ} 53' E.$, 16.91 chs. dist.

North, on the E. bdy. of sec. 36, T. 17 S., R. 13 W.

Survey E. 1/4 Sec. 36, T. 17 S., R. 13 W.

Chains	
	Over rolling desert valley land, draining SE.
9.10	Trail road, bears E. and W.
12.10	Wash, 20 lks. wide, 2 ft. deep, drains SE.
23.09	Point for the $\frac{1}{4}$ sec. cor. of sec. 36, T. 17 S., R. 13 W., 40.00 chs. N. of the cor. of Tps. 17 and 18 S., R. 13 W.
	Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground and in a mound of stone to top, $3\frac{1}{2}$ ft. base, with brass cap mkd.
	T17S
	$\frac{1}{4}$
	R13W
	S36
	R12W
	1959
47.15	Point for the $\frac{1}{4}$ sec. cor. of sec. 31, T. 17 S., R. 12 W.
	Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 12 ins. in the ground and in a mound of stone to top, $3\frac{1}{2}$ ft. base, with brass cap mkd.
	T17S
	$\frac{1}{4}$
	R12W
	R13W
	S31
	1959
63.09	Point for the cor. of secs. 25 and 36, T. 17 S., R. 13 W., 80.00 chs. N. of the cor. of Tps. 17 and 18 S., R. 13 W.
	Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 8 ins. in the ground and in a mound of stone to top, 4 ft. base, with brass cap mkd.
	T17S
	R13W
	R12W
	S25
	S36
	S31
	1959
	Land, rolling.
	Soil, sandy loam and rock.
	Undergrowth, scattered sagebrush and shadscale.
	Timber, none.
	North, on the E. bdy. of sec. 25, T. 17 S., R. 13 W.
	Over rolling land.
4.00	Wash, 40 lks. wide, 2 ft. deep, drains S. 70° E.; asc. 110 ft. over S slope.
20.80	Top of ascent, bears E. and W.; desc. 30 ft. over N. slope.
24.06	Point for the cor. of secs. 30 and 31, T. 17 S., R. 12 W. at a latitudinal position calculated to intersect a theoretical sectional correction line extended from the cor. of secs. 25 and 36 on the E. bdy. of T. 17 S., R. 12 W.
	Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 2 ins. in the ground and in a mound of stone, to top, 4 ft. base, with brass cap mkd.

Section, E. 1/4, T. 17 S., R. 13 W.

Chains

T17S
R13W R12W
S25 | S30
S31
1959

Desc. 50 ft. over N. slope.

26.40 Wash, 40 lks. wide, 3 ft. deep, drains E.; asc. 20 ft.

40.00 Point for the 1/4 sec. cor. of sec. 25, T. 17 S., R. 13 W.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.

T17S
1/4
R13W |
S25 | S12W
1959

Asc. over rolling S. slope.

64.06 Point for the 1/4 sec. cor. of sec. 30, T. 17 S., R. 12 W.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, with brass cap mkd.

T17S
1/4
R12W
R13W | S30
1959

Raise a mound of stone, 3 ft. base, 2 ft. high, E. of cor.

78.80 Wash, 20 lks. wide, 2 ft. deep, drains SE.

80.00 Point for the cor. of secs. 24 and 25, T. 17 S., R. 13 W.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.

T17S
R13W R12W
S24 | S30
S25 |
1959

Land, rolling.

Soil, sandy loam, light clay and rock.

Undergrowth, scattered sagebrush and shadscale.

Timber, widely scattered scrub juniper.

North, on the E. bdy. of sec. 24, T. 17 S., R. 13 W.

Over rolling land, draining SE.

10.50 Wash, 60 lks. wide, 2 ft. deep, drains E,

16.50 Wash, 40 lks. wide, 2 ft. deep, drains S. 60° E.

24.06 Point for the cor. of secs. 19 and 30, T. 17 S., R. 12 W.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 12 ins. in the ground and in a mound of stone to top, 3 1/2 ft. base, with brass cap mkd.

344

Survey, E. Bdy., T. 17 S., R. 13 W.

Chains	
	<div style="text-align: center;"> T17S R13W R12W S24 S19 S30 1959 </div>
31.20	Trail road, bears E. and W.
40.00	Point for the $\frac{1}{4}$ -sec. cor. of sec. 24, T. 17 S., R. 13 W.
	Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 18 ins. in the ground and in a mound of stone to top, 4 ft. base, with brass cap mkd. <div style="text-align: center;"> T17S R13W S24 R12W 1959 </div>
51.30	Graded road, bears S. 70° E. and N. 70° W.
52.00	Base of ascent, bears SE. and NW.; asc. 70 ft.
62.80	Spur, slopes E.; desc. 20 ft. over N. slope.
64.06	Point for the $\frac{1}{4}$ -sec. cor. of sec. 19, T. 17 S., R. 12 W.
	Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 12 ins. in the ground and in a mound of stone to top, 3 ft. base, with brass cap mkd. <div style="text-align: center;"> T17S R12W R13W S19 1959 </div>
	Desc. 40 ft. over N. slope.
78.80	Small wash, drains E.; asc. 10 ft.
80.00	Point for the cor. of secs. 13 and 24, T. 17 S., R. 13 W.
	Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 22 ins. in the ground with brass cap mkd. <div style="text-align: center;"> T17S R13W R12W S13 S19 S24 1959 </div>
	Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
	Land, rolling.
	Soil, sandy loam, light clay and rock.
	Undergrowth, scattered sagebrush and shadscale.
	Timber, widely scattered scrub juniper.
	North, on the E. bdy. of sec. 13, T. 17 S., R. 13 W.
	Over rolling land; asc. 120 ft. over S. slope.
24.06	Point for the cor. of secs. 18 and 19, T. 17 S., R. 12 W.
	Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 16 ins. in the ground and in a mound of stone to top, 3 $\frac{1}{2}$ ft. base, with brass cap mkd.

Survey, E. Bdy., T. 17 S., R. 13 W.

Chains

T17S
R13W R12W
S13 | S18
S19
1959

Asc. 110 ft. over S. slope.

39.90 Spur, slopes E.; desc. N. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of sec. 13, T. 17 S., R. 12 W.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 12 ins. in the ground and in a mound of stone to top, 4 ft. base, with brass cap mkd.

T17S
 $\frac{1}{4}$
R13W R12W
S13 |
1959

Desc. 20 ft. over N. slope.

42.80 Wash, 30 lks. wide, 3 ft. deep, drains S. 30° E.; asc. 280 ft. over S. slope.

64.06 Point for the $\frac{1}{4}$ sec. cor. of sec. 18, T. 17 S., R. 12 W.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap mkd.

T17S
 $\frac{1}{4}$
R12W
R13W | S18
S19
1959

Raise a mound of stone, 3 ft. base, 2 ft. high, E. of cor.

Asc. 360 ft. over S. slope.

80.00 Point for the cor. of secs. 12 and 13, T. 17 S., R. 13 W.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 4 ins. in the ground and in a mound of stone to top, 4 ft. base, with brass cap mkd.

T17S
R13W R12W
S12 | S18
S13
1959

Land, S. $\frac{1}{2}$ mile, rolling; N. $\frac{1}{2}$ mile, broken.
Soil, sand, clay and exposed limestone.
Undergrowth, scattered sagebrush and shadscale.
Timber, scattered scrub juniper.

North, on the E. bdy. of sec. 12, T. 17 S., R. 13 W.

Over broken land; asc. 70 ft. over S. slope.

2.80 Top of ascent, bears N. 70° W. and S. 70° E.; desc. 210 ft. over NW. slope.

14.20 Small wash, drains W.; asc. 100 ft. over S. slope.

24.06 Point for the cor. of secs. 7 and 18, T. 17 S., R. 12 W.

306

Survey E: T. 17 S., R. 13 W.

Chains

amied

Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground and in a mound of stone to top, 4 ft. base, with brass cap mkd.

T17S
R13W R12W

S12 | S 7
S18

1959

Asc. 60 ft. over S. slope.

34.10 Spur, slopes SW.; desc. 60 ft. over NW. slope.

40.00 Point for the ¼ sec. cor. of sec. 12, T. 17 S., R. 13 W.

Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground with brass cap mkd.

T17S

R13W
S12 | R12W

1959

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

Desc. 40 ft. over NW. slope.

58.20 Wash, 30 lks. wide, 3 ft. deep, drains S. 60° W.; asc. 80 ft. over S. slope.

64.06 Point for the ¼ sec. cor. of sec. 7, T. 17 S., R. 12 W.

Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground to bedrock and in a mound of stone to top, 4 ft. base, with brass cap mkd.

T17S

R13W
S12 | R12W

R13W | S 7

1959

Asc. 340 ft. over SE. slope.

80.00 Point for the cor. of secs. 1 and 12, T. 17 S., R. 13 W.

Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground to bedrock and in a mound of stone to top, 4 ft. base, with brass cap mkd.

T17S

R13W R12W
S12 | S 7

1959

Land, broken.

Soil, shallow clay and exposed limestone.

Timber, scattered scrub juniper.

North, on the E. bdy. of sec. 1, T. 17 S., R. 13 W.

Over broken land; asc. 340 ft. over SE. slope.

12.40 Top of ascent, bears N. 70° E. and S. 70° W.; desc. 180 ft. over NW. slope.

Survey, E. Bdy., T. 17 S., R. 13 W.

Chains

24.06 Point for the cor. of secs. 6 and 7, T. 17 S., R. 12 W., falls on ledge facing NW. and cannot be perpetuated.

24.61 Point selected for the witness cor. of secs. 6 and 7.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground to bedrock and in a mound of stone to top, 4 ft. base, with brass cap mkd.

T17S

R13W R12W

S 1	S 6
	S 7

W C

1959

Desc. 300 ft. over NW. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of sec. 1, T. 17 S., R. 13 W.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 16 ins. in the ground and in a mound of stone to top, 4 ft. base, with brass cap mkd.

T17S

R13W

S 1	R12W
-----	------

1959

Desc. 70 ft. over NW. slope.

55.30 Wash, 30 lks. wide, 4 ft. deep, drains W.; asc. 60 ft. over SW. slope.

64.06 Point for the $\frac{1}{4}$ sec. cor. of sec. 6, T. 17 S., R. 12 W.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap mkd.

T17S

R12W

R13W	S 6
------	-----

1959

Raise a mound of stone, 3 ft. base, 2 ft. high, E. of cor.

Asc. 130 ft. over SW. slope.

80.00 Point for the cor. of Tps. 16 and 17 S., R. 13 W.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 16 ins. in the ground, and in a mound of stone to top, 3 ft. base, with brass cap mkd.

T16S T17S

R13W

S36	R12W
-----	------

S 1

T17S

1959

Land, broken.

Soil, shallow clay and exposed limestone.

Timber, scattered juniper and pinon.

Survey, N. Bdy., T. 17, S., R. 13, W. 10

Chains

Survey of the North Boundary of T. 17, S., R. 13, W. 10

From the cor. of Tps. 16 and 17, S., R. 13 W., an iron post, 2½ ins. diam.

N. 89° 56' W., bet. secs. 1 and 36.

Over broken land; desc. 150 ft. over SW. slope.

11.10 Wash, 30 lks. wide, 2 ft. deep, drains SW.; asc. 50 ft. over E. slope.

17.80 Spur, slopes S.; desc. 70 ft. over W. slope.

27.40 Wash, 20 lks. wide, 2 ft. deep, drains SE.; asc. 60 ft. over SE. slope.

35.50 Wash, 30 lks. wide, 3 ft. deep, drains SE.; asc. 70 ft. over E. slope.

40.00 Point for the ¼ sec. cor. of secs. 1 and 36.

Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to bedrock and in a mound of stone to top, 3½ ft. base, with brass cap mkd.

T16S R13W

¼ S36
S 1

T17S
1959

Asc. 20 ft. over E. slope.

44.00 Spur, slopes SE.; desc. 160 ft. over SW. slope.

51.80 Wash, 20 lks. wide, 2 ft. deep, drains SE.; asc. 50 ft. over E. slope.

56.00 Small spur, slopes S.; desc. 140 ft. over W. slope.

74.80 Wash, 10 lks. wide, 1 ft. deep, drains S.; asc. 100 ft. over E. slope.

80.00 Point for the cor. of secs. 1, 2, 35 and 36.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground with brass cap mkd.

T16S R13W

¾ S35 S36
S 2 S 1

T17S
1959

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

Land, broken.

Soil, shallow clay and exposed limestone.

Timber, scattered scrub juniper and pinon.

N. 89° 56' W., bet. secs. 2 and 35.

Over broken land; asc. 70 ft. over E. slope.

3.20 Spur, slopes S.; desc. 90 ft. over W. slope.

7.70 Wash, 30 lks. wide, 2 ft. deep, drains S. 20° E.; asc. 90 ft. over slope.

N. 17. S. E. 13 W.

Chains

- 12.00 Top of ascent, bears N. and S.; desc. 30 ft. over W. slope.
- 16.10 Wash, 30 lks. wide, 2 ft. deep, drains SE.; asc. 290 ft. over SE. slope.
- 29.00 Spur, slopes S.; desc. 100 ft. over W. slope.
- 33.90 Wash, 30 lks. wide, 1 ft. deep, drains S. 20° E.; asc. 80 ft. over E. slope.
- 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 35.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 12 ins. in the ground and in a mound of stone to top, 3 ft. base, with brass cap mkd.

T16S R13W

 $\frac{1}{4}$ S35

S 2

T17S

1959

Asc. 10 ft. over E. slope.

- 40.90 Spur, slopes S.; desc. 260 ft. over W. slope.
- 61.00 Wash, 20 lks. wide, 2 ft. deep, drains S. 20° E.; asc. 20 ft. over E. slope.
- 70.00 Wash, 40 lks. wide, 2 ft. deep, drains S. 20° E.; asc. 10 ft.
- 78.50 Wash, 20 lks. wide, 2 ft. deep, drains S. 20° E.; asc.
- 80.00 Point for the cor. of secs. 2, 3, 34 and 35.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 12 ins. in the ground and in a mound of stone to top, 4 ft. base, with brass cap mkd.

T16S R13W

S34 | S35

S 3 | S 2

T17S

1959

Land, broken.

Soil, shallow clay and exposed limestone.

Timber, scattered scrub juniper and pinon.

N. 89° 56' W., bet. secs. 3 and 34.

Over broken land; asc. 180 ft. over E. slope.

- 12.20 Top of ascent, bears SE. and NW.; desc. 30 ft. over W. slope.
- 17.80 Wash, 20 lks. wide, 2 ft. deep, drains SE.; asc. 210 ft. over E. slope.
- 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 3 and 34.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 8 ins. in the ground and in a mound of stone to top, 4 ft. base, with brass cap mkd.

T16S R13W

 $\frac{1}{4}$ S34

S 3

T17S

1959

Asc. 90 ft. over E. slope.

Survey N. 89° 56' W. T. 17, S. R. 12, W. 3

Chains

- 42.30 Top of ascent, bears NW. and SE.; desc. 1470 ft. over broken SW. slope.
- 56.80 Wash, 20 lks. wide, 2 ft. deep, drains SE.; by triangulation, asc. about 750 ft. over NE. slope.
- 80.00 Point for the cor. of secs. 3, 4, 33 and 34.
Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground with brass cap mkd.
- T16S R13W
S33 | S34
S 4 | S 3
T17S
1959
- Raise a mound of stone, 3 ft. base, 3 ft. high, W. of cor.
- Land, broken.
Soil, shallow clay and exposed limestone.
Timber, medium dense juniper and pinon.
- N. 89° 56' W., bet. secs. 4 and 33.
- Over broken land; asc. 140 ft. over NE. slope.
- 28.50 Top of ascent, bears NW. and SE.; desc. 310 ft. over SW. slope.
- 40.00 Point for the ¼ sec. cor. of secs. 4 and 33.
Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground and in a mound of stone to top, 4 ft. base, with brass cap mkd.
- T16S R13W
¼ S33
S 4
T17S
1959
- Desc. 50 ft. over SW. slope.
- 41.80 Wash, 30 lks. wide, 3 ft. deep, drains SE.; asc. 300 ft. over E. slope.
- 66.30 Top of ascent, bears N. and S.; by triangulation desc. about 400 ft. over ledges facing W.
- 80.00 Point for the cor. of secs. 4, 5, 32 and 33 falls on ledges facing W. and cannot be perpetuated.
- Land, broken.
Soil, shallow clay and exposed limestone.
Timber, medium dense juniper and pinon.
- N. 89° 56' W., bet. secs. 5 and 32.
- Over broken land; desc. about 50 ft. over W. slope.
- 1.00 Point selected for the witness cor. of secs. 4, 5, 32 and 33.
Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to bedrock and in a mound of stone to top, 4 ft. base, with brass cap mkd.

Survey, N. Bdy., T. 17 S., R. 13 W.

Chains

T16S R13W

S32 | S33 W

S 5 | S 4 C

T17S

1959

Desc. about 400 ft. over steep W. slope.

25.00 Wash, 50 lks. wide, 2 ft. deep, drains SW.; asc. 240 ft. over E. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 5 and 32.Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground to bedrock and in a mound of stone to top, 4 ft. base, with brass cap mkd.

T16S R13W

S32

S 5

T17S

1959

Asc. 460 ft. over broken E. slope.

50.10 Spur, slopes S.; desc. 680 ft. over broken W. slope.

80.00 Point for the cor. of secs. 5, 6, 31 and 32.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 16 ins. in the ground and in a mound of stone to top, 3 ft. base, with brass cap mkd.

T16S R13W

S31 | S32

S 6 | S 5

T17S

1959

Land, broken.

Soil, shallow clay, rock and limestone outcroppings.

Timber, scattered scrub juniper.

N. $89^{\circ} 56'$ W., bet. secs. 6 and 31.

Over broken land; desc. 60 ft. over W. slope.

5.80 Small wash, drains S.; asc. 80 ft. over E. slope.

11.50 Spur, slopes S.; desc. 200 ft. over W. slope.

19.30 Wash, 20 lks. wide, 2 ft. deep, drains S.; asc. 130 ft. over E. slope.

26.30 Spur, slopes S.; desc. 120 ft. over SW. slope.

33.80 Head of small wash, drains SW.; desc. 170 ft. along S. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 6 and 31.Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 1 in. in the ground to bedrock and in a mound of stone to top, with brass cap mkd.

T16S R13W

S31

S 6

T17S

1959

Survey, N. Bdy., T. 17 S., R. 13 W.

Chains

Desc. 160 ft. along S. slope.

50.30 Wash, 30 lks. wide, 2 ft. deep, drains NW.; asc. 70 ft. over NE.sl.

55.61 The true point for the cor. of Tps. 16 and 17 S., Rs. 13 and 14 W., from which its witness cor., an iron post, 2½ ins. diam., described the field notes of T. 17 S., R. 14 W., bears S. 0.05 chs. dist.

Land, broken.

Soil, clay and exposed limestone.

Timber, scattered scrub juniper.

Survey of a Portion of the Subdivision, T. 17 S., R. 13 W.

From the cor. of secs. 35 and 36, on the S. bdy. of the Tp., an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the field notes of T. 18 S., R. 13 W.

N. 0° 01' W., bet. secs. 35 and 36.

Over rolling desert valley land; asc. gradual SE. slope.

12.70 Graded road, bears NW. and SE.

14.80 Wash, 15 lks. wide, 2 ft. deep, drains SE.

40.00 Point for the ½ sec. cor. of secs. 35 and 36.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T17S R13W

S35|S36

1959

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.; asc. gradual SE. slope.

40.10 Trail road, bears E. and W.

80.00 Point for the cor. of secs. 25, 26, 35 and 36.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T17S R13W

S26|S25

S35|S36

1959

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

Land, rolling.

Soil, sandy loam and gravel.

Undergrowth, scattered sagebrush and shadscale.

Timber, none.

From the cor. of secs. 25 and 36, on the E. bdy. of the Tp.

S. 89° 56' W., bet. secs. 25 and 36.

Over rolling desert valley land; asc. gradual SE. slope.

Survey, Portion of Subdivision, T. 17 S., R. 13 W.

Chains

39.89 Point for the $\frac{1}{4}$ sec. cor. of secs. 25 and 36.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground and in a mound of stone to top, 4 ft. base, with brass cap mkd.

T17S R13W

$\frac{1}{4}$ S25

S36

1959

Asc. rolling SE. slope.

57.00 Trail road, bears SE. and NW.

57.90 Wash, 10 lks. wide, 1 ft. deep, drains SE.

74.20 Wash, 20 lks. wide, 1 ft. deep, drains SE.

79.79 The cor. of secs. 25, 26, 35 and 36.

Land, rolling.

Soil, sandy loam and gravel.

Undergrowth, scattered sagebrush and shadscale.

Timber, none.

From the cor. of secs. 3, 4, 33 and 34 on the S. bdy. of the Tp., an iron post, $2\frac{1}{2}$ ins. diam., set, mkd. and witnessed as described in the field notes of T. 18 S., R. 13 W.

N. $0^{\circ} 02'$ W., bet. secs. 33 and 34.

Over rolling desert valley land, draining E.

.30 Trail road, bears N. 15° E. and S. 15° W.

22.30 Wash, 10 lks. wide, 2 ft. deep, drains E.

29.90 Wash, 10 lks. wide, 2 ft. deep, drains E.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 33 and 34.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap mkd.

T17S R13W

$\frac{1}{4}$ S33|S34

1959

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

44.60 Wash, 20 lks. wide, 1 ft. deep, drains E.

80.00 Point for the cor. of secs. 27, 28, 33 and 34.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 16 ins. in the ground and in a mound of stone to top, 3 ft. base, with brass cap mkd.

T17S R13W

S28|S27

S33|S34

1959

Land, rolling.

Soil, sandy loam and gravel.

Undergrowth, scattered sagebrush and shadscale.

Timber, none.

Subdiv. Portion of Subdivision T. 17 S. R. 13 W.

Chains

N. 0° 02' W., bet. secs. 27 and 28.

Over rolling land; asc. 130 ft. over S. slope.

28.90 Small spur slopes E.; desc. 60 ft. over rolling N. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 27 and 28.Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 2 ins. in the ground to bedrock and in a mound of stone to top, 4 ft. base, with brass mkd.

T17S R13W

$$\begin{array}{r} \frac{1}{4} \\ S28 | S27 \\ 1959 \end{array}$$

Desc. over gradual N. slope.

52.30 Wash, 30 lks. wide, 2 ft. deep, drains E.

58.40 Trail road, bears E. and W.

80.00 Point for the cor. of secs. 21, 22, 27 and 28.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 3 ins. in the ground to bedrock and in a mound of stone to top, $3\frac{1}{2}$ ft. base, with brass mkd.

T17S R13W

$$\begin{array}{r} S21 | S22 \\ S28 | S27 \\ 1959 \end{array}$$

Land, rolling.

Soil, shallow, sandy loam and limestone outcroppings.

Undergrowth, scattered shadscale.

Timber, none.

N. 0° 02' W., bet. secs. 21 and 22.

Over rolling land.

2.80 Base of ascent, bears E. and W.; asc. 140 ft. over S. slope.

10.50 Spur, slopes E.; desc. 100 ft. over N. slope.

35.60 Wash, 10 lks. wide, 1 ft. deep, drains E.; asc. 30 ft. over S. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 21 and 22.Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 8 ins. in the ground to bedrock and in a mound of stone to top, $3\frac{1}{2}$ ft. base, with brass cap mkd.

T17S R13W

$$\begin{array}{r} \frac{1}{4} \\ S21 | S22 \\ 1959 \end{array}$$

Asc. 410 ft. over S. slope.

80.00 Point for the cor. of secs. 15, 16, 21 and 22.

Portion of Subdivision, T. 17 S., R. 13 W.

Chains

Set an iron post, 30 ins. long, 2½ ins. diam., 2 ins. in the ground to bedrock and in a mound of stone to top, 4 ft. base, with brass cap mkd.

T17S R13W

S16|S15

S21|S22

1959

Land, broken.

Soil, shallow clay and exposed limestone.

Undergrowth, scattered sagebrush and shadscale.

Timber, scattered scrub juniper and pinon.

N. 0° 02' W., bet. secs. 15 and 16.

Over broken land; asc. 30 ft. over S. slope.

1.50 Spur, slopes E.; desc. 170 ft. over N. slope.

11.10 Ravine, drains E.; asc. 180 ft. over S. slope.

29.70 Spur, slopes E.; desc. 40 ft. over N. slope.

40.00 Point for the ¼ sec. cor. of secs. 15 and 16.

Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.

T17S R13W

¼

S16|S15

1959

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

Desc. 20 ft. over N. slope.

42.10 Ravine, drains E.; asc. 100 ft. over S. slope.

48.80 Spur, slopes E.; desc. 50 ft.

54.00 Wash, 20 lks. wide, 2 ft. deep, drains E.; asc. 30 ft.

59.50 Small spur, slopes E.; desc. 90 ft. over N. slope.

77.30 Wash, 30 lks. wide, 2 ft. deep, drains E.; asc. 50 ft. over S. slope.

80.00 Point for the cor. of secs. 9, 10, 15 and 16.

Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground and in a mound of stone to top, 3 ft. base, with brass cap mkd.

T17S R13W

S 9|S10

S16|S15

1959

Land, broken.

Soil, shallow clay and exposed limestone.

Timber, scattered scrub juniper.

N. 0° 02' W., bet. secs. 9 and 10.

Over broken land; asc. 110 ft. over S. slope.

Chains	
10.50	Spur, slopes E.; desc. 90 ft. over N. slope.
22.30	Ravine, drains E.; asc. 70 ft.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 9 and 10. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground to bedrock and in a mound of stone to top, 4 ft. base, with brass mkd.
	T17S R13W $\frac{1}{4}$ S 9 S10 1959
	Asc. 20 ft. over S. slope.
42.00	Spur, slopes E.; desc. 60 ft.
54.50	Draw, drains E.; asc. gradual S. slope.
55.20	Graded road, bears E. and W.
64.00	Base of ascent, bears E. and W.; asc. 330 ft. over S. slope.
76.40	Spur, slopes E.; desc. 20 ft.
80.00	Point for the cor. of secs. 3, 4, 9 and 10. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 12 ins. in the ground and in a mound of stone to top, $3\frac{1}{2}$ ft. base, with brass cap mkd.
	T17S R13W S 4 S 3 S 9 S10 1959
	Land, broken. Soil, shallow clay and exposed limestone. Timber, scattered scrub juniper.
	N. $0^{\circ} 18' W.$, bet. secs. 3 and 4.
	Over broken land; desc. 60 ft. over N. slope.
9.80	Wash, 20 lks. wide, 3 ft. deep, drains SE.; asc. 130 ft. over S.s.
16.40	Spur, slopes SE.; desc. 60 ft. over N. slope.
21.90	Ravine, drains SE.; asc. 430 ft. over SW. slope.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 3 and 4. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 8 ins. in the ground and in a mound of stone to top, $3\frac{1}{2}$ ft. base, with brass cap mkd.
	T17S R13W $\frac{1}{4}$ S 4 S 3 1959
	Asc. 310 ft. over SW. slope.
60.50	Ridge, bears NW. and SE.; desc. 110 ft. over N. slope.
68.60	Wash, 30 lks. wide, 2 ft. deep, drains E.; asc. 160 ft. over S. slope.

Survey, Portion of Subdivision, T. 17 S., R. 13 W.

Chains

74.80 Spur, slopes E.; desc. 150 ft. over N. slope.

80.37 The cor. of secs. 3, 4, 33 and 34.

Land, broken.

Soil, shallow clay and exposed limestone.

Timber, scattered pinon and juniper.

From the cor. of secs. 1, 2, 35 and 36 on the N. bdy. of the Tp., hereinbefore described.

S. 0° 01' E., bet. secs. 1 and 2.

Over mountainous desert land, through scattering timber; desc. 120 ft. along E. slope of spur, sloping S.

8.90 Base of steep slope, bears NE. and SW.; desc. 180 ft. over rolling land, draining E.

39.50 Wash, 50 lks. wide, 5 ft. deep, drains S. 40° E.; cont. along rolling E. slope.

40.14 Point for the $\frac{1}{2}$ sec. cor. of sec. 1 and 2.

Set an iron post, 30 ins. long, 2½ ins. diam., 14 ins. in the ground to bedrock and in a mound of stone to top, 3½ ft. base, with brass cap mkd.

T17S R13W

S 2 | S 1
1959

Cor. is located at the fork of washes.

42.60 Wash, 30 lks. wide, 3 ft. deep, drains E., 1.00 ch. to above wash; desc. 80 ft. along rolling E. slope.

72.40 Crest of small knoll, 10 ft. high, 3.00 chs. diam.; desc. 80 ft. over rolling S. slope.

80.14 Point for the cor. of secs. 1, 2, 11 and 12.

Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground to bedrock and in a mound of stone to top, 4 ft. base, with brass cap mkd.

T17S R13W

S 2 | S 1
S11 | S12
1959

Land, broken and rolling desert.

Soil, clay, sandy loam and rock.

Timber, scattering juniper and pinon.

S. 89° 58' W., bet. secs. 2 and 11 on a theoretical parallel connecting the cor. of secs. 1, 6, 7 and 12 on the E. bdy. and the cor. of secs. 3, 4, 9 and 10 as specified in the special instructions.

Over rolling desert land, draining S.; desc. 40 ft. over SW. slope.

Survey of Section of Substation, E. 12 S., R. 12 N.

Chase

1.70 Wash, 1.00 ch. wide, 3 ft. deep, drains S.; asc. 80 ft. over E. slope

18.00 Graded road, bears S. 10° E. and S. 10° W., 3.00 chs. thence curves W., asc. 10 ft. over rolling land, draining S.

21.20 Wash, 30 lbs. wide, 4 ft. deep, drains S.; cont. over rolling S. slope

22.00 Point for the 1/2 sec. cor. of sec. 2 and 11.

Set an iron post, 30 lbs. long, 2 1/2 ins. diam., 24 ins. in the ground and in a collar of stone, with brass cap and.

T175 R13W

$$\begin{array}{r} 5.2 \\ 111 \\ \hline 1939 \end{array}$$

From this cor., a stake pond with twin cottonwood tree beside it, bears NW., 11.50 chs. dist.

Cont. over rolling S. slope.

47.00 Trail road, bears W. and S.

51.30 Wash, 70 lbs. wide, 3 ft. deep, drains S., also base of steep ascent bears N. and S.; asc. 340 ft. over steep E. slope.

76.20 Ridge, bears N. and SW.; desc. 10 ft. over W. slope.

80.00 Point for the cor. of sec. 2, 3, 10 and 11.

Set an iron post, 30 lbs. long, 2 1/2 ins. diam., 6 ins. in the ground to bedrock and in a mound of stone to top, 4 ft. base, with brass cap and.

T175 R13W

$$\begin{array}{r} 5.2 \\ 111 \\ \hline 1939 \end{array}$$

Land, rolling and broken.

Soil, sandy loam, clay and rock.

Timber, scattered juniper and piñon.

W. 0° 01' W., bet. sec. 2 and 3.

Over mountainous desert land, through scattered timber; desc. 240 ft. along W. slope.

27.20 Wash, drains S., asc. 10 ft. over SE. slope.

35.20 Small wash, drains SE.; asc. 20 ft. over SE. slope.

40.00 Point for the 1/2 sec. cor. of sec. 2 and 3.

Set an iron post, 30 lbs. long, 2 1/2 ins. diam., 30 lbs. in the ground to bedrock and in a mound of stone to top, 3 ft. base, with brass cap and.

T175 R13W

$$\begin{array}{r} 5.2 \\ 111 \\ \hline 1939 \end{array}$$

Asc. 180 ft. over SE. slope.

57.20 Low open, slopes S.; desc. 10 ft. along E. slope.

Survey, Portion of Subdivision, T. 17 S., R. 13 W.

Chains	
79.70	Base of descent in small draw, draining E.; thence over bottom of draw.
80.19	The cor. of secs. 2, 3, 34 and 35 on the N. bdy of the Tp. Land, rolling and broken, mountainous. Soil, clay, sandy loam and rock. Timber, scattered juniper and pinon.
	From the cor. of secs. 15, 16, 21 and 22, hereinbefore described. S. 89° 58' W., bet. secs. 16 and 21. Over broken, mountainous land, through scattered timber; desc. 230 ft. over SW. slope.
13.90	Wash, 10 lks. wide, 3 ft. deep, drains SE.; asc. 240 ft. over steep NE. slope.
23.50	Spur, bears S. 20° E., 1.00 ch. to end; desc. 100 ft. over steep SW. slope.
27.90	Small wash, drains S. 20° E.; asc. 60 ft. over SE. slope.
32.20	Spur, bears S. 20° E.; desc. 100 ft. over steep SW. slope.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 16 and 21. Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., over a cross (X) on solid rock, and in a mound of stone to top, 4 ft. base, with brass cap mkd. <div style="text-align: center;">T17S R13W $\frac{1}{4}$ $\frac{S16}{S21}$ 1959</div>
	Desc. 20 ft. over SW. slope.
40.70	Small wash, drains S. 10° E.; asc. 50 ft. over E. slope.
43.20	Spur, bears S. 20° E., 5.00 chs. to end; desc. 30 ft. over SW. slope.
49.70	Wash, 10 lks. wide, 3 ft. deep, drains SE.; asc. 100 ft. over NE. slope.
58.20	Spur, bears SE.; desc. 20 ft. over SW. slope.
64.30	Small wash, drains S. 60° E.; asc. 110 ft. over NE. slope.
72.50	Spur, bears S. 60° E.; thence along S. slope.
80.00	Point for the cor. of secs. 16, 17, 20 and 21. Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 12 ins. in the ground to bedrock and in a mound of stone to top, 3 $\frac{1}{2}$ ft. base, with brass cap mkd. <div style="text-align: center;">T17S R13W $\frac{S17}{S20}$ $\frac{S16}{S21}$ 1959</div>
	Land, broken, mountainous. Soil, sandy loam, clay and rock. Timber, scattered juniper and pinon.

Portion of T17S R13W.

Chains	
	From the cor. of secs. 16, 17, 20 and 21.
	N. 0° 03' W., bet. secs. 16 and 17.
	Over broken, mountainous land, through scattered timber; asc. 100 ft. over S. slope.
11.00	Spur, bears SE.; desc. 210 ft. over NE. slope.
24.00	Small ravine, drains E.; asc. 80 ft. over SE. slope.
28.20	Top of ascent on E. slope; desc. 250 ft. over steep NE. slope.
38.00	Small wash, drains NE.; asc. 10 ft. over SW. slope.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 16 and 17.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground with brass cap mkd.
	T17S R13W
	S17 S16
	1959
	Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor.
	Asc. 100 ft. over SW. slope.
51.80	Spur, bears W.; desc. 180 ft. over steep N. slope.
62.10	Wash, in canyon, 20 lks. wide, 4 ft. deep, drains S. 70° W.; asc. ft. over steep and ledgy S. slope.
71.10	Spur, bears SE.; desc. 90 ft. over steep NE. slope.
77.90	Small ravine, drains S. 60° E.; asc. 20 ft. over SE. slope.
80.00	Point for the cor. of secs. 8, 9, 16 and 17.
	Set an iron post, 30 ins. long, 2½ ins. diam., 5 ins. in the ground to bedrock and in a mound of stone to top, 4 ft. base, with brass mkd.
	T17S R13W
	S 8 S 9
	S17 S16
	1959
	Land, broken, mountainous.
	Soil, clay, sandy loam and rock.
	Timber, scattered juniper and pinon.
	From the cor. of secs. 9, 10, 15 and 16.
	S. 89° 59' W., bet. secs. 9 and 16
	Over broken, mountainous land, through scattered timber; desc. 20 ft. over SW. slope.
2.40	Small wash, drains S. 20° E.; asc. 170 ft. over SE. slope.
27.21	Small wash, drains S. 80° E.; asc. 110 ft. over steep NE. slope.
31.80	Top of ascent, bears N. 30° E. and S. 30° W.; desc. 110 ft. over NW. slope.

Portion of Subdivision, T. 17 S., R. 13 W.

Chains

- 40.055 Point for the $\frac{1}{4}$ sec. cor. of secs. 9 and 16.
- Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 18 ins. in the ground to bedrock and in a mound of stone to top, $3\frac{1}{2}$ ft. base, with brass cap mkd.
- T17S R13W
* S 9
S16
1959
- Desc. 100 ft. over NW. slope.
- 46.50 Small wash, drains S. 30° W.
- 49.30 Small wash, drains S. 20° W.; asc. 70 ft. over SE. slope.
- 53.30 Spur, bears S.; thence over rolling land, draining S.
- 63.80 Spur, bears S.; desc. 110 ft. over W. slope.
- 69.20 Wash, 10 lks. wide, 2 ft. deep, drains S. 10° W.; asc. 120 ft. over SE. slope.
- 80.11 The cor. of secs. 8, 9, 16 and 17.
- Land, broken, mountainous.
Soil, clay, sandy loam and rock.
Timber, scattered juniper and pinon.
-
- From the cor. of secs. 32 and 33 on the S. bdy. of the Tp., an iron post, $2\frac{1}{2}$ ins. diam., firmly set, mkd. and witnessed as described in the field notes of the survey of T. 18 S., R. 13 W.
- N. $0^{\circ} 03'$ W., bet. secs. 32 and 33.
- Over broken, mountainous land, through scattered timber; asc. 210 ft. over steep S. slope.
- 7.40 Top of ascent, bears N. 80° W. and E., 3.00 chs.; thence N. 10° W., 13.00 chs. to end; desc. 420 ft. over steep and broken NW. slope.
- 37.20 Wash, 40 lks. wide, 2 ft. deep, drains N. 60° E.; asc. 20 ft. over SE. slope.
- 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 32 and 33.
- Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., over a cross (X) on solid rock and in a mound of stone to top, 4 ft. base, with brass cap mkd.
- T17S R13W
* S32
S33
1959
- Asc. 50 ft. over SE. slope.
- 44.70 Spur, bears N. 60° E.; thence along rolling E. slope.
- 72.90 Spur, bears NE.; desc. 80 ft. over NW. slope.
- 80.00 Point for the cor. of secs. 28, 29, 32 and 33.
- Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 15 ins. in the ground to bedrock and in a mound of stone, to top, $3\frac{1}{2}$ ft. base, with brass cap mkd.

Survey, Portion of Subdivision, T. 17 S., R. 13 W.

Chains

T17S R13W

S29|S28

S32|S33

1959

Land, broken, mountainous.

Soil, sandy loam, clay and exposed limestone.

Timber, scattered juniper.

From the cor. of secs. 31 and 32 on the S. bdy. of the Tp., an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the field notes of T. 18 S., R. 13 W.

N. 0° 03' W., bet. secs. 31 and 32.

Over broken, mountainous land; through scattered timber; asc. 10 ft. over SE. slope.

4.00 Ravine, drains SE.; asc. 150 ft. over SW. slope.

11.50 Spur, bears SE.; desc. 130 ft. over NE. slope.

20.30 Wash, 10 lks. wide, 3 ft. deep, drains SE.; asc. 30 ft. over SE. slope.

24.20 Wash, 20 lks. wide, 3 ft. deep, drains S. 30° E.; asc. 180 ft. over SW. slope.

40.00 Point for the ¼ sec. cor. of secs. 31 and 32.

Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to bedrock and in a mound of stone to top, 3½ ft. base, with brass mkd.

T17S R13W

S31|S32

1959

Asc. 110 ft. over SW. slope.

47.50 Spur, bears S. 30° E.; desc. 30 ft. over NE. slope.

52.60 Wash, 10 lks. wide, 3 ft. deep, drains S. 60° E.; asc. 310 ft. over steep SE. slope.

69.50 Spur, bears S. 70° E.; desc. 110 ft. over steep NE. slope.

77.20 Ravine, drains E.; asc. 10 ft. over SE. slope.

80.00 Point for the cor. of secs. 29, 30, 31 and 32.

Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground to bedrock and in a mound of stone to top, 4 ft. base, with brass mkd.

T17S R13W

S30|S29

S31|S32

1959

Land, broken, mountainous.

Soil, clay, sandy loam and exposed limestone.

Timber, scattered juniper and pinon.

Survey, Portion of Subdivision, T. 17 S., R. 13 W.

Chains	From the cor. of secs. 28, 29, 32 and 33. S. 89° 58' W., bet. secs. 29 and 32.
	Over broken, mountainous land, through scattered timber; desc. 60 ft. over NW. slope.
2.30	Wash, 10 lks. wide, 2 ft. deep, drains NE.; asc. 550 ft. over E.slope.
37.50	Top of ascent, bears N. 20° W. and S. 20° E.; desc. 40 ft. over W. slope.
39.985	Point for the $\frac{1}{4}$ sec. cor. of secs. 29 and 32.
	Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to bedrock and in a mound of stone to top, 3½ ft. base, with brass cap mkd.
	T17S R13W $\frac{1}{4}$ $\frac{S29}{S32}$ 1959
	Desc. 110 ft. over W. slope.
48.50	Small wash, drains S.
51.60	Small wash, drains SE.
53.60	Trail road, bears SE. and NW.; asc. 180 ft. over NE. slope.
65.00	Spur, bears SE.; asc. 170 ft. over SE. slope.
79.97	The cor. of secs. 29, 30, 31 and 32.
	Land, broken, mountainous. Soil, sandy loam, clay and rock. Timber, scattered juniper and pinon.

General Description

The land within this township is rolling desert and mountainous land. The House Range Mountains bear northeasterly through the township. The elevation varies from 5,800 feet above sea level on the desert to 8,200 feet above sea level on the higher ridges of the mountains. The area, divided by the mountain range, drains northwest and southeast into the valleys.

The soil varies from light clay and gravel on the desert to clay and rocks on the mountains.

The timber is composed of pinon, juniper and mahogany brush of little commercial value.

Principal users of the area are sheepmen and access into the township is provided by desert roads.

Access into the survey lines was provided by helicopter.

No mineral formations of consequence were noted during the survey.

Antelope Spring is located in Lot 4, section 2.

FIELD ASSISTANTS

10-58565-2

CERTIFICATE OF CADASTRAL ENGINEER

I, Vern E. Lane, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 15th day of August, 1960, Supplemental special instructions dated 29th day of June, 1960, I have ~~surveyed~~ re-surveyed the ~~boundaries~~ boundaries of the east and north boundaries and a ~~portion~~ portion of the subdivision of T. 17 S., R. 13 W.

of the Salt Lake Meridian, in the State of Utah, which ~~is~~ is represented in the foregoing field notes as having been executed ~~by me and under my supervision~~ under my supervision; and said survey has been made in strict conformity with said instructions, the Manual of Instructions for Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

Salt Lake City, Utah

May 5, 1960

Vern E. Lane
Vern E. Lane - Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., DEC 9 1960, 1960

The foregoing field notes of the survey of the east and north boundaries and a ~~portion~~ portion of the subdivision of T. 17 S., R. 13 W., Salt Lake Meridian, Utah

executed by Lacel E. Bland, Cadastral Surveyor
Eldon W. Sibley, Cadastral Surveyor
Vern E. Lane, Cadastral Surveyor
having been critically examined and found correct, are hereby approved.

[Signature]
Cadastral Engineering Staff Officer

CERTIFICATE OF TRANSCRIPT

_____, is a true copy of the original

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ORIGINAL

FIELD NOTES

OF THE

SURVEY

OF THE EAST BOUNDARY

A PORTION OF THE NORTH BOUNDARY

AND A PORTION OF THE SUBDIVISION

AND THE

INDEPENDENT RESURVEY

OF A PORTION OF THE NORTH BOUNDARY

OF

TOWNSHIP 17 SOUTH, RANGE 14 WEST

Of the Salt Lake Meridian,

the State of Utah

EXECUTED BY

Vern E. Lane, Cadastral Surveyor (Chief of Party)

Lacel E. Bland, Cadastral Surveyor

Eldon W. Sibley, Cartographic Survey Aid

Under special instructions dated August 15, 1936, which provided
supplemental special instructions dated June 29, 1954, September 22, 1936
for the surveys included under Group No. 275, approved July 15, 1954
and assignment instructions dated July 27, 1959

Survey commenced September 25, 1959

Survey completed November 3, 1959

INDEX DIAGRAM

Township 17 South, Range 14 West

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GPO 866119

Lacel E. Bland _____

Eldon W. Sibley _____

Township 17 South, Range 14 West

Chains

A portion of the north boundary was surveyed by A. J. Stewart Jr. in 1884. The west and south boundaries were surveyed concurrently and are described in the field notes of T. 17 S., R. 15 W. and T. 18 S., R. 14 W., respectively.

The following field notes are those of the survey of the east boundary, a portion of the north boundary, and a portion of the subdivision; and the independent resurvey of a portion of the north boundary of T. 17 S., R. 14 W., deemed sufficient to facilitate the development of the natural resources and mark the boundaries of those sections that are normally considered state school sections.

The survey was executed with W. & L. E. Gurley Solar Transits Nos. 491037 and 580515 constructed in accordance with the standard instrumental specifications of the Bureau of Land Management. The instruments were in good condition prior to the beginning of the survey and were maintained in proper adjustment throughout the progress of this survey.

Corners on east-west lines were set on the true latitudinal curve. Lines connecting previously established corners were run by random and true method, but for simplification of the record the ransom lines are omitted from the field notes. In accordance with the intent of the special instructions, all subdivisional corners established are calculated to be at the position they would occupy if the entire township were subdivided.

Measurements herein contained were made with a narrow steel tape, 8 chains in length, graduated every link for the first 100 links and thereafter at intervals of 10 links. The tape was tested by comparison with a 1 chain standard steel tape and found to be correct. Measurements were made on the slope with the vertical angle of each interval ascertained by a clinometer in good adjustment; horizontal equivalents alone are entered in the field notes. All lines of this survey were run by direct method where the lines were accessible; lines inaccessible were run by traverse or triangulation methods. Distances to topography on lines run by traverse or triangulation are estimated. The details of such traverses or triangulations have been thoroughly checked and verified, and in order to simplify the record the diagrams and reductions are omitted from these field notes.

The direction of the lines of this survey were determined by reference to true meridians established on line by hour angle observations on Polaris or altitude observations on the sun taken throughout the progress of the survey.

The geographic position for the southeast corner of the township is at latitude $39^{\circ} 16' 46.3''$ N. and longitude $113^{\circ} 21' 43.4''$ W. as adjusted through section lines from station Water Tank, near the crossroads at Painter Springs.

The magnetic declination was read at a number of stations throughout the township and the average of these readings was found to be $16^{\circ} 30'$ East.

Survey of the East Boundary of T. 17 S., R. 14 W.

Beginning at the cor. of Tps. 17 and 18 S., Rs. 13 and 14 W., an iron post, $2\frac{1}{2}$ ins. diam., set, mkd., and witnessed as described in the field notes of T. 18 S., R. 14 W.

North, bet. secs. 31 and 36.

Over mountainous land, through medium dense timber.

Survey, E. Bdy., T. 17 S., R. 14 W.

Chains

- 1.90 Rim of canyon, bears S. 60° E. and N. 70° W.; by triangulation, about 260 ft. over steep and broken NE. slope.
- 15.00 Wash, in canyon, 50 lks. wide, 3 ft. deep, drains S. 60° E.; asc. about 480 ft. over steep S. slope.
- 29.10 End of triangulation; asc. 40 ft. over S. slope.
- 35.00 Spur, bears SE.; desc. 10 ft. along E. slope.
- 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 31 and 36.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 4 ins. in the to bedrock and in a mound of stone to top, 4 ft. base, with brass mkd.

T17S

R14W R13W

 $\frac{1}{4}$

S36 S31

1959

from which

A pinon, 10 ins. diam., bears N. 30° E., 40 lks. dist., mkd.
 $\frac{1}{4}$ S31 BT

A pinon, 6 ins. diam., bears N. 30 $\frac{1}{2}$ ° W., 71 lks. dist., mkd.
 $\frac{1}{4}$ S36 BT

Cent. along E. slope.

- 47.30 Spur, bears S. 30° W.; desc. 120 ft. over NW. slope.
- 52.30 Ravine, drains SW.; asc. 160 ft. over S. slope.
- 58.30 Slope changes to SE. slope; asc. 140 ft.
- 70.70 Same ravine, drains S. 20° E.; asc. 220 ft. over S. slope.
- 80.00 Point for the cor. of secs. 25, 30, 31 and 36.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 3 ins. in the gr. to bedrock and in a mound of stone to top, 4 ft. base, with brass cap mkd.

T17S

R14W R13W

S25 S30

S36 S31

1959

from which

A pinon, 10 ins. diam., bears N. 29° E., 32 lks. dist., mkd.
T17S R13W S30 BT

A pinon, 6 ins. diam., bears S. 88° E., 41 lks. dist., mkd.
T17S R13W S31 BT

A pinon, 10 ins. diam., bears S. 83 $\frac{1}{2}$ ° W., 92 lks. dist., mkd.
T17S R14W S36 BT

A pinon, 6 ins. diam., bears N. 17° W., 83 lks. dist., mkd.
T17S R14W S25 BT

Land, mountainous.

Soil, sandy loam, clay and exposed limestone.

Timber, medium dense juniper and pinon.

Survey, E. Bdy., T. 17 S., R. 14 W.

Chains

North, bet. secs. 25 and 30.

Over mountainous land, through medium dense timber; asc. 160 ft. over SE. slope.

16.90 Ridge, bears SE.; desc. 70 ft. over NE. slope.

27.90 Small ravine, drains SE.; asc. 90 ft. over SE. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 25 and 30.Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 12 ins. in the ground to bedrock and in a mound of stone to top, 3 ft. base, with brass cap mkd.

T17S
R14W R13W
 $\frac{1}{4}$
S25|S30
1959

from which

A pinon, 8 ins. diam., bears N. 40° E., 40 lks. dist., mkd.
 $\frac{1}{4}$ S30 BTA pinon, 10 ins. diam., bears N. 40° W., 62 lks. dist., mkd.
 $\frac{1}{4}$ S25 BT

By triangulation, asc. about 80 ft. over SE. slope.

55.80 End of triangulation; asc. 100 ft. over SE. slope.

72.80 Slope changes to E. slope; desc. 40 ft. along E. slope.

80.00 Point for the cor. of secs. 19, 24, 25 and 30.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 15 ins. in the ground to bedrock and in a mound of stone to top, 3 ft. base, with brass cap mkd.

T17S
R14W R13W
S24|S19
S25|S30
1959

from which

A pinon, 8 ins. diam., bears N. $38\frac{1}{2}^{\circ}$ E., 33 lks. dist., mkd.
T17S R13W S19 BTA pinon, 12 ins. diam., bears S. 30° E., 40 lks. dist., mkd.
T17S R14W S30 BTA pinon, 4 ins. diam., bears S. $75\frac{1}{2}^{\circ}$ W., 28 lks. dist., mkd.
X BTA pinon, 8 ins. diam., bears N. 43° W., 32 lks. dist., mkd.
T17S R14W S24 BT

Land, mountainous.

Soil, sandy loam, clay and exposed limestone.

Timber, medium dense pinon and juniper.

332

E. T. 17 S. R. 14 W.

Chains

North, bet. secs. 19 and 24.

Over mountainous land, through medium dense timber; along E. slope.

4.60 Begin descent over NE. slope; desc. 200 ft.

19.30 Ravine, drains SE.; asc. 120 ft. over S. slope.

22.80 Spur, bears SE.; desc. 320 ft. over NE. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 19 and 24.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 12 ins. in the ground to bedrock and in a mound of stone to top, 3 ft. base, with brass cap mkd.

T17S
R14W R13W
 $\frac{1}{4}$
S24 | S19
1959

Cont. over mountainous land.

40.10 Small ravine, drains E.; by triangulation, asc. about 250 ft. over SE. slope.

70.50 End of triangulation; top of ascent bears SE. and NW.; desc. 180 ft. over NE. slope.

80.00 Point for the cor. of secs. 13, 18, 19 and 24.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd:

T17S
R14W R13W
S13 | S18
S24 | S19
1959

Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.

Land, broken, mountainous.

Soil, clay, sandy loam and exposed limestone.

Timber, medium dense pinon and juniper.

North, bet. secs. 13 and 18.

Over broken, mountainous land, through medium dense timber; desc. 50 ft. over NE. slope.

5.60 Spur, bears N. 30° E., 8 chs. thence N. 30° W., 6 chs. to end; desc. 250 ft. over steep NW. slope.

12.80 Base of descent on W. slope; asc. 80 ft. over SW. slope.

20.00 Top of ascent on W. slope; desc. 20 ft. over NW. slope.

22.00 Rim of canyon, bears NE. and S. 10° W.; leave dense timber, bears same; by triangulation, desc. about 1150 ft. over ledges and steep NW. slope.

40.00 End of triangulation; point for the $\frac{1}{4}$ sec. cor. of secs. 13 and 18.

Survey, E. Rdy., T. 17, S., R. 14 W.

Chains

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 4 ins. in the ground to bedrock and in a mound of stone to top, 4 ft. base, with brass cap mkd.

T17S
R14W R13W

S13|S18

1959

Desc. 280 ft. over steep and ledgy NW. slope.

47.00 Small ravine, drains N. 60° W., 4 chs., thence N. 10° E.; desc. 200 ft. over steep NW. slope.

60.80 Small wash, drains N. 10° E.; desc. 200 ft. over N. slope.

80.00 Point for the cor. of secs. 7, 12, 13 and 18.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground to bedrock and in a mound of stone to top, 4 ft. base, with brass cap mkd.

T17S
R14W R13W

S12|S 7

S13|S18

1959

Land, broken, mountainous.

Soil, clay, sandy loam and exposed limestone.

Timber, medium dense pinon and juniper, S. 20 chs.; scattering pinon and juniper, 60 chs.

North, bet. secs. 7 and 12.

Over mountainous land, through scattered timber; desc. 30 ft. over N. slope.

2.90 Wash, 40 lks. wide, 2 ft. deep, drains N. 70° W.

4.70 Graded gravel road, bears E. and W.; asc. 560 ft. over steep SW. slope.

32.70 Top of ascent on W. slope.

33.50 Top of ledge, 100 ft. high, bears SW. and NE.; desc. 240 ft. over ledge and along steep W. slope.

40.00 Point for the $\frac{1}{2}$ sec. cor. of secs. 7 and 12.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T17S
R14W R13W

S12|S 7

1959

Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.

By triangulation; along steep W. slope.

52.00 Wash, 30 lks. wide, 2 ft. deep, drains S. 30° E.; asc. about 600 ft. over steep SE. slope and near vertical ledge, facing SE.

334

16

Survey E. of T. 17, S. of R. 13W.

Chains

72.00 End of triangulation; top of ledge, bears SW. and N. 30° E.; asc. 10 ft. over SE. slope.

78.70 Ridge, bears SW.; desc. 10 ft. over NW. slope.

80.00 Point for the cor. of secs. 1, 6, 7 and 12.

Set an iron post, 30 ins. long, 2½ ins. diam., 2 ins. in the ground to bedrock and in a mound of stone to top, 4 ft. base, with brass mkd.

T17S
R14W R13W
S 1 | S 6
S12 | S 7
1959

Land, broken, mountainous.
Soil, clay, sandy loam and exposed limestone.
Timber, scattered juniper.

North, bet. secs. 1 and 6.

Over broken, mountainous land, through scattered timber; by triangulation, desc. about 230 ft. over steep NW. slope.

11.00 Base of descent on steep W. slope; asc. about 270 ft. over steep ledgy SW. slope.

29.70 End of triangulation; top of rocky knob, bears S. 20° E. and N. 30°

31.60 Desc. 370 ft. over abrupt NE. slope.

40.00 Base of steep descent, bears NW. and SE.

Point for the ¼ sec. cor. of secs. 1 and 6.

Set an iron post, 30 ins. long, 2½ ins. diam., 18 ins. in the ground and in a mound of stone to top, 3½ ft. base, with brass cap mkd.

T17S
R14W R13W
S 1 | S 6
1959

Desc. 510 ft. over NW. slope.

66.20 Ravine, drains N. 80° W.; asc. 50 ft. over SW. slope.

72.90 Spur, bears N. 80° W.; desc. 180 ft. over NE. slope.

79.95 Point selected for the witness cor. of Tps. 16 and 17 S., Rs. 13 and 14 W.

Set an iron post, 30 ins. long, 2½ ins. diam., over a cross (x) on solid rock and in a mound of stone to top, 4 ft. base, with brass mkd.

T16S
R14W R13W
S 36 | S 31
S 1 | S 6
T17S
1959

Survey, E. Bdy., T. 17 S., R. 14 W.

Chains

80.00 True point for the cor. of Tps. 16 and 17 S., Rs. 13 and 14 W. falls on steep N. slope of small granite ledge where cor. cannot be perpetuated.

Land, broken, mountainous.
Soil, clay, sandy loam and exposed limestone.
Timber, scattered juniper.

Survey of the North Boundary of T. 17 S., R. 14 W.

From the true point for the cor. of Tps. 16 and 17 S., Rs. 13 and 14 W. S. 89° 57' W., bet. secs. 1 and 36.

Over rolling land; asc. 40 ft. over NE. slope.

6.50 Small spur, slopes N.; desc. 210 ft. over W. slope.

13.00 Wash, 20 lks. wide, 1 ft. deep, drains S. 70° W.; desc. over gradual W. slope.

24.90 Trail road, bears NE. and SW.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 1 and 36.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 12 ins. in the ground and in a mound of stone to top, 3 ft. base, with brass cap mkd.

T16S R14W

$\frac{1}{4}$ $\frac{S36}{S1}$

T17S

1959

Desc. gradual W. slope,

42.10 Trail road, bears N. and S.

60.50 Trail road, bears N. and S.

80.00 Point for the cor. of secs. 1, 2, 35 and 36.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap mkd.

T16S R14W

$\frac{S35}{S2}$ $\frac{S36}{S1}$

T17S

1959

Raise a mound of stone, 2 $\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.

Land, rolling.
Soil, clay, rock.
Undergrowth, scattered greasewood and sagebrush.
Timber, none.

N. 17 S. R. 14 W.

Chains

ADJUTANT

Independent Resurvey of the North Boundary of T. 17 S. R. 14 W.
Superseding the Survey by A. J. Stewart Jr. in 1884.

S. 89° 57' W., bet. secs. 2 and 35.
Over rolling land; desc. gradual W. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 35.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground and in a mound of stone, to top, 4 ft. base, with brass cap mkd.

T16S R14W

$\frac{1}{4}$ S35
S 2
T17S
1959

80.00 Point for the cor. of secs. 2, 3, 34 and 35.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 4 ins. in the ground and in a mound of stone to top, 4 ft. base, with brass cap mkd.

T16S R14W

S34 S35
S 3 S 2
T17S
1959

Land, rolling.
Soil, light clay, rock.
Undergrowth, scattered greasewood and sagebrush.
Timber, none.

S. 89° 57' W., bet. secs. 3 and 34.

Over rolling desert valley land; desc. gradual W. slope.

13.20 Wash, 30 lks. wide, 2 ft. deep, drains irregularly W.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 3 and 34.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground with brass cap mkd.

T16S R14W

$\frac{1}{4}$ S34
S 3
T17S
1959

Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, N. of cor.

72.80 Wash, 10 lks. wide, 2 ft. deep, drains S. 80° W.

80.00 Point for the cor. of secs. 3, 4, 33 and 34.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground with brass cap mkd.

T16S R14W

S33 S34
S 4 S 3
T17S
1959

Chains

Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.

Land, gently rolling.

Soil, sandy loam and gravel.

Undergrowth, scattered greasewood and sagebrush.

Timber, none.

S. $89^{\circ} 57'$ W., bet. secs. 4 and 33.

Over nearly level desert valley land.

8.80 Graded road, bears N. and S.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 4 and 33.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T16S R14W

$\frac{1}{4}$ $\frac{S33}{S4}$

T17S

1959

Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, N. of cor.

80.00 Point for the cor. of secs. 4, 5, 32 and 33.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T16S R14W

$\frac{S32}{S5} | \frac{S33}{S4}$

T17S

1959

Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.

Land, level.

Soil, light clay.

Undergrowth, scattered greasewood and sagebrush.

Timber, none.

S. $89^{\circ} 57'$ W., bet. secs. 5 and 32.

Over nearly level desert valley land.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 5 and 32.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T16S R14W

$\frac{1}{4}$ $\frac{S32}{S5}$

T17S

1959

Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, N. of cor.

80.00 Point for the cor. of secs. 5, 6, 31 and 32.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

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Chains	T16S R14W	Station
	$\begin{array}{r} S31 \ S32 \\ S \ 6 \ S \ 5 \end{array}$	
	T17S	
	1959	
	Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.	
	Land, level.	
	Soil, light clay.	
	Undergrowth, scattered greasewood and sagebrush.	
	Timber, none.	
	S. 89° 57' W., bet. secs. 6 and 31.	
	Over nearly level desert valley land.	
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 6 and 31.	
	Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 24 ins. in the with brass cap mkd.	
	T16S R14W	
	$\begin{array}{r} S31 \\ \frac{1}{4} \ S \ 6 \end{array}$	
	T17S	
	1959	
76.67	The cor. of Tps. 16 and 17 S., Rs. 14 and 15 W., an iron post, 2 $\frac{1}{2}$ diam., described in the field notes of T. 17 S., R. 15 W.	
	Land, nearly level.	
	Soil, light clay and sandy loam.	
	Undergrowth, scattered greasewood and sagebrush.	
	Timber, none.	
	Survey of a Portion of the Subdivision of T. 17 S., R. 14 W.	
	From the cor. of secs. 1, 2, 35 and 36 on the S. bdy. of the Tp., iron post, 2 $\frac{1}{2}$ ins. diam., set, mkd. and witnessed as described in field notes of T. 18 S., R. 14 W.	
	N. 0° 01' W., bet. secs. 35 and 36.	
	Over mountainous land, through medium dense timber; desc. 20 ft. NW. slope.	
1.00	Ravine, drains W.; asc. 50 ft. over SW. slope.	
5.30	Top of ascent on W. slope; by triangulation, desc. about 80 ft. NW. slope.	
11.40	Ravine, drains SW.; asc. about 240 ft. over SE. slope.	
40.00	End of triangulation.	
	Point for the $\frac{1}{4}$ sec. cor. of secs. 35 and 36.	

Portion of Subdivision, T. 17 S., R. 14 W.

Chains

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 15 ins. in the ground to bedrock and in a mound of stone to top, 3 ft. base, with brass cap mkd.

T17S R14W

S35 S36

1959

Cont. by triangulation; asc. about 200 ft. over SE. slope.

61.80 End of triangulation; top of ascent, bears N. 60° E. and SW.; desc. 40 ft. over NW. slope.

65.00 Rim bears SW. and N. 60° E.; desc. 500 ft. over steep and ledgy N. slope.

76.82 Point selected for the witness cor. of secs. 25, 26, 35 and 36.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 3 ins. in the ground to bedrock and in a mound of stone to top, 4 ft. base, with brass cap mkd.

T17S R14W

W C

S26 S25

S35 S36

1959

76.90 Top of ledge, bears E. and W.; desc. about 300 ft. over nearly vertical ledge.

80.00 True point for the cor. of secs. 25, 26, 35 and 36 falls on nearly vertical ledges, facing N., where cor. cannot be perpetuated.

Land, broken, mountainous.

Soil, clay, sandy loam and exposed limestone.

Timber, medium dense pinon and juniper.

From the cor. of secs. 25, 30, 31 and 36 on the E. bdy., hereinbefore described.

N. $89^{\circ} 57'$ W., bet. secs. 25 and 36.

Over mountainous land, through medium dense timber; asc. 40 ft. along S. slope.

7.60 Spur, bears S. 20° E.; by triangulation, desc. about 330 ft. over steep SW. slope.

25.00 Bottom of canyon, 2 chs. wide, drains S. 10° E.; asc. about 350 ft. over steep SE. slope.

40.03 End of triangulation.

Point for the $\frac{1}{4}$ sec. cor. of secs. 25 and 36.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 20 ins. in the ground and in a collar of stone, with brass cap mkd.

T17S R14W

S25

 $\frac{1}{4}$ S36

1959

Raise a mound of stone, 2 ft. base, 2 ft. high, N. of cor.

of Subdivision T. 17 S. R. 14 W.

Chains

- Asc. 140 ft. over SE. slope.
- 63.50 Top of ascent; ridge, bears S. 10° W. and N. 10° E.; desc. 30 ft. over W. slope.
- 66.50 Rim, bears N. and S.; by triangulation, desc. about 720 ft. over ledges and steep W. slope.
- 80.06 The true point for the cor. of secs. 25, 26, 35 and 36, from which the witness cor. bears S. 0° 01' E., 3.18 chs. dist.
- Land, broken, mountainous.
Soil, clay, sandy loam and exposed limestone.
Timber, medium dense pinon and juniper.
- From the cor. of secs. 3, 4, 33 and 34 on the E. bdy. of the Tp., an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the field notes of T. 18 S., R. 14 W.
- N. 0° 02' W., bet. secs. 33 and 34.
- Over rolling land, draining NW.; desc. 45 ft.
- 7.00 Wash, 30 lks. wide, 3 ft. deep, drains N. 60° W.; desc. 140 ft. over rolling NW. slope.
- 30.20 Wash, 10 lks. wide, 2 ft. deep, drains N. 60° W.; asc. 10 ft. over rolling SW. slope.
- 40.00 Point for the ¼ sec. cor. of secs. 33 and 34.
- Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, With brass cap mkd.
- T17S R14W
S33|S34
1959
- Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor.
- Asc. 30 ft. over rolling SW. slope.
- 57.50 Trail road, bears E. and W.; asc. 10 ft. over rolling SW. slope.
- 65.80 Wash, 20 lks. wide, 2 ft. deep, drains W.; asc. 20 ft. over rolling SW. slope.
- 75.70 Wash, 10 lks. wide, 3 ft. deep, drains W.; asc. 10 ft. over rolling SW. slope.
- 79.00 Top of ascent on W. slope; begin descent over rolling NW. slope.
- 80.00 Point for the cor. of secs. 27, 28, 33 and 34.
- Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground to bedrock and in a mound of stone to top, 3½ ft. base, with brass cap mkd.
- T17S R14W
S28|S27
S33|S34
1959
- Land, rolling.
Soil, sandy loam, clay and rock.
Timber, none.

Survey, Portion of Subdivision, T. 17 S., R. 14 W.

Chains

N. 0° 02' W., bet. secs. 27 and 28.

Over rolling land, draining W.; desc. 40 ft.

12.80 Small wash, drains W.; cont. along rolling W. slope.

20.80 Wash, 10 lks. wide, 2 ft. deep, drains N. 80° W.; cont. along rolling W. slope.

27.60 Wash, 10 lks. wide, 2 ft. deep, drains N. 80° W.; desc. 20 ft. along rolling W. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 27 and 28.Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T17S R14W

 $\frac{1}{4}$

S28|S27

1959

Raise a mound of stone, 2 ft. base, 2 ft. high, W. of cor.

Cont. over rolling land, draining W.

51.50 Wash, 20 lks. wide, 2 ft. deep, drains N. 60° W.

55.00 Wash, 30 lks. wide, 3 ft. deep, drains N. 70° W.

80.00 Point for the cor. of secs. 21, 22, 27 and 28.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T17S R14W

S21|S22

S28|S27

1959

Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.

Land, rolling.

Soil, sandy loam, clay and gravel.

Timber, none.

N. 0° 02' W., bet. secs. 21 and 22.

Over rolling land, draining W.

7.70 Wash, 10 lks. wide, 2 ft. deep, drains N. 80° W.

12.80 Wash, 20 lks. wide, 2 ft. deep, drains W.

23.60 Wash, 10 lks. wide, 2 ft. deep, drains S. 80° W.

27.40 Wash, 20 lks. wide, 2 ft. deep, drains W.

37.60 Wash, 20 lks. wide, 3 ft. deep, drains N. 70° W.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 21 and 22.Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

Portion of Subdivision, T. 17 S., R. 14 W.

Chains

T17S R14W

$\frac{1}{4}$

S21|S22

1959

Raise a mound of stone, 2 ft. base, 2 ft. high, W. of cor.

Cont. over rolling land, draining W.

50.60 Wash, 30 lks. wide, 2 ft. deep, drains N. 60° W.

62.30 Wash, 10 lks. wide, 2 ft. deep, drains N. 80° W.

72.00 Small wash, drains W.

79.50 Wash, 30 lks. wide, 1 ft. deep, drains W.

80.00 Point for the cor. of secs. 15, 16, 21 and 22.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground with brass cap mkd.

T17S R14W

S16|S15

S21|S22

1959

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

Land, rolling.

Soil, sandy loam and gravel.

Timber, none.

N. 0° 02' W., bet. secs. 15 and 16.

Over rolling land, draining W.

5.10 Wash, 20 lks. wide, 2 ft. deep, drains N. 70° W.

24.80 Wash, 20 lks. wide, 1 ft. deep, drains W.

30.80 Trail road, bears E. and W.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 15 and 16.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground with brass cap mkd.

T17S R14W

$\frac{1}{4}$

S16|S15

1959

Raise a mound of stone, 2 ft. base, 2 ft. high, W. of cor.

Cont. over rolling land, draining W.

48.70 Wash, 20 lks. wide, 1 ft. deep, drains S. 60° W.

55.90 Wash, 30 lks. wide, 1 ft. deep, drains S. 80° W.

79.10 Wash, 10 lks. wide, 2 ft. deep, drains N. 80° W.

80.00 Point for the cor. of secs. 9, 10, 15 and 16.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground with brass cap mkd.

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of T. 17 N., R. 14 W.

Chains

T17S R14W

S 9 | S10

S16 | S15

1959

Raise a mound of stone, 2 ft. base, 2 ft. high, W. of cor.

Land, rolling.

Soil, sandy loam and gravel.

Timber, none.

N. 0° 02' W., bet. secs. 9 and 10.

Over rolling desert land, draining W.

4.30 Wash, 20 lks. wide, 1 ft. deep, drains S. 70° W.

31.50 Wash, 20 lks. wide, 2 ft. deep, drains S. 80° W.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 9 and 10.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T17S R14W

S 9 | S10

1959

Raise a mound of stone, 2 ft. base, 2 ft. high, W. of cor.

Cont. over rolling desert land, draining W.

50.40 Graded gravel road, bears E. and W.

72.40 Wash, 10 lks. wide, 2 ft. deep, drains N. 60° W.

80.00 Point for the cor. of secs. 3, 4, 9 and 10.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T17S R14W

S 4 | S 3

S 9 | S10

1959

Raise a mound of stone, 2 $\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.

Land, rolling.

Soil, sandy loam, gravel and rock.

Timber, none.

N. 0° 13' W., bet. secs. 3 and 4.

Over rolling desert land, draining W.

21.20 Wash, 20 lks. wide, 2 ft. deep, drains W.

30.30 Wash, 20 lks. wide, 1 ft. deep, drains N. 70° W.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 3 and 4.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

3411

16

Chains

T17S R14W

 $\frac{1}{4}$
 S 4 | S 3
 1959

Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.

Cont. over rolling desert land, draining W.

42.80 Wash, 10 lks. wide, 3 ft. deep, drains N. 70° W.

57.40 Wash, 20 lks. wide, 2 ft. deep, drains W.

63.40 Wash, 10 lks. wide, 4 ft. deep, drains N. 70° W.

66.70 Small wash, drains N. 70° W.

80.43 The cor. of secs. 3, 4, 33 and 34 on the N. bdy. of the Tp., hereinbefore described.

Land, rolling.

Soil, sandy loam, gravelly and rocky.

Timber, none.

From the cor. of secs. 1, 2, 35 and 36 on the N. bdy. of the Tp., an iron post, $2\frac{1}{2}$ ins. diam., hereinbefore described.

S. $0^{\circ} 01'$ E., bet. secs. 1 and 2.

Over rolling desert land, draining W.

9.30 Wash, 20 lks. wide, 5 ft. deep, drains S. 80° W.

31.40 Wash, 30 lks. wide, 4 ft. deep, drains W.

37.80 Trail road, bears S. 10° W. and N. 10° E.

40.14 Point for the $\frac{1}{4}$ sec. cor. of secs. 1 and 2.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground with brass cap mkd.

T17S R14W

 $\frac{1}{4}$
 S 2 | S 1
 1959

Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.

Cont. over rolling desert land, draining W.

60.30 Wash, 10 lks. wide, 2 ft. deep, drains W.

78.30 Wash, 20 lks. wide, 2 ft. deep, drains NW.

80.14 Point for the cor. of secs. 1, 2, 11 and 12.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground with brass cap mkd.

T17S R14W

 $\frac{1}{4}$
 S 2 | S 1
 S11 | S12
 1959

Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.

Survey, Portion of Subdivision, T. 17 S., R. 14 W.

Chains

Land, rolling.
Soil, sandy loam, clay, gravel and rock.
Timber, none.

S. 89° 51' W., bet. secs. 2 and 11 on a theoretical parallel connecting the cor. of secs. 1, 6, 7 and 12 on the E. bdy. and the cor. of secs. 3, 4, 9 and 10 as specified in the special instructions.

Over rolling desert land, draining W.; desc. 30 ft.

7.30 Trail road, bears N. and S.; desc. 80 ft. over rolling W. slope.

28.70 Wash, 30 lks. wide, 3 ft. deep, drains NW.; desc. 30 ft. over rolling W. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 11.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 4 ins. in the ground to bedrock and in a mound of stone to top, 4 ft. base, with brass cap mkd.

T17S R14W

$\frac{1}{4}$ S 2
S11

1959

Desc. 140 ft. over rolling W. slope.

80.00 Point for the cor. of secs. 2, 3, 10 and 11.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 8 ins. in the ground to bedrock and in a mound of stone to top, 3 $\frac{1}{2}$ ft. base, with brass cap mkd.

T17S R14W

S 3 | S 2
S10 | S11

1959

Land, rolling.
Soil, sandy loam, clay, gravel and rock.
Timber, none.

N. 0° 02' W., bet. secs. 2 and 3.

Over rolling land, draining W.

10.90 Wash, 20 lks. wide, 7 ft. deep, drains N. 80° W.

19.70 Wash, 10 lks. wide, 3 ft. deep, drains N. 80° W.

25.00 Wash, 10 lks. wide, 2 ft. deep, drains N. 70° W.

33.60 Wash, 40 lks. wide, 3 ft. deep, drains N. 60° W.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 3.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 8 ins. in the ground to bedrock and in a mound of stone to top, 3 $\frac{1}{2}$ ft. base, with brass cap mkd.

T17S R14W

$\frac{1}{4}$ S 3 | S 2
S10 | S11

1959

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18

Chains	
	Cont. over rolling desert land, draining W.
48.00	Wash, 30 lks. wide, 2 ft. deep, drains N. 60° W.
61.00	Small wash, drains W.
76.60	Wash, 20 lks. wide, 2 ft. deep, drains NW.
79.30	Wash, 10 lks. wide, 3 ft. deep, drains N. 80° W.
80.27	The cor. of secs. 2, 3, 34 and 35 on the N. bdy. of the Tp.
	Land, rolling desert, draining W.
	Soil, sandy loam, clay, gravel and rock.
	Timber, none.
	From the cor. of secs. 15, 16, 21 and 22.
	West, bet. secs. 16 and 21.
	Over rolling desert land, draining W.
.70	Wash, 20 lks. wide, 1 ft. deep, drains N. 70° W.
8.20	Small wash, drains NW.
15.30	Graded road, bears N. and S.
32.50	Enter greasewood, bears N. and S.; thence over nearly level desert valley.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 16 and 21.
	Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 24 ins. in the gr. with brass cap mkd.
	T17S R14W
	$\frac{1}{4}$ S16
	S21
	1959
	Raise a mound of stone, 2 ft. base, 2 ft. high, N. of cor.
	Cont. over nearly level desert valley.
80.00	Point for the cor. of secs. 16, 17, 20 and 21.
	Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 24 ins. in the gr. with brass cap mkd.
	T17S R14W
	S17 S16
	S20 S21
	1959
	Raise a mound of stone, 2 ft. base, 2 ft. high, W. of cor.
	Land, rolling to nearly level.
	Soil, sandy loam and gravel.
	Timber, none.
	N. 0° 03' W., bet. secs. 16 and 17.
	Over nearly level desert valley.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 16 and 17.

Survey, Portion of Subdivision, T. 12 S., R. 14 W.

Chains

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T17S R14W

S17 | S16

1959

Raise a mound of stone, 2 ft. base, 2 ft. high, W. of cor.

Cont. over nearly level desert valley.

80.00 Point for the cor. of secs. 8, 9, 16 and 17.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T17S R14W

S 8 | S 9

S17 | S16

1959

Raise a mound of stone, 2 ft. base, 2 ft. high, W. of cor.

Land, nearly level:

Soil, sandy, clay and alkali.

Timber, none.

From the cor. of secs. 9, 10, 15 and 16.

S. $89^{\circ}58'$ W., bet. secs. 9 and 16.

Over rolling desert land, draining W.

1.40 Wash, 20 lks. wide, 2 ft. deep, drains N. 80° W.; desc. 20 ft. over rolling W. slope.

6.80 Same wash, drains S. 80° W.; desc. 30 ft. over rolling W. slope.

21.30 Graded road, bears N. and S.; desc. 30 ft. over rolling W. slope.

40.01 Point for the $\frac{1}{4}$ sec. cor. of secs. 9 and 16.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T17S R14W

 $\frac{1}{4}$ S 9 $\frac{1}{4}$ S16

1959

Raise a mound of stone, 2 ft. base, 2 ft. high, N. of cor.

Cont. over nearly level land.

48.50 Enter greasewood, bears SE. and N.

80.02 The cor. of secs. 8, 9, 16 and 17.

Land, rolling to nearly level.

Soil, sandy, clay, gravel.

Timber, none.

Survey Portion of Subdivis T. 17 S., R. 14 W.

Chains

From the cor. of secs. 4, 5, 32 and 33 on the S. bdy. of the Tp., iron post, $2\frac{1}{2}$ ins. diam., set, mkd. and witnessed as described in field notes of T. 18 S., R. 14 W.

N. $0^{\circ} 03'$ W., bet. secs. 32 and 33.

Over nearly level desert land.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 32 and 33.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground with brass cap mkd.

T17S R14W

$\frac{1}{4}$
S32|S33
1959

Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.

Cont. over nearly level desert valley.

80.00 Point for the cor. of secs. 28, 29, 32 and 33.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground with brass cap mkd.

T17S R14W

S29|S28
S32|S33
1959

Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.

Land, nearly level.

Soil, sand, clay and alkali.

Timber, none.

From the cor. of secs. 5, 6, 31 and 32 on the S. bdy. of the Tp., iron post, $2\frac{1}{2}$ ins. diam., set, mkd. and witnessed as described in field notes of T. 18 S., R. 14 W.

N. $0^{\circ} 03'$ W., bet. secs. 31 and 32.

Over nearly level desert valley.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 31 and 32.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground with brass cap mkd.

T17S R14W

$\frac{1}{4}$
S31|S32
1959

Raise a mound of stone, 2 ft. base, 2 ft. high, W. of cor.

Cont. over nearly level desert valley.

80.00 Point for the cor. of secs. 29, 30, 31 and 32.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground with brass cap mkd.

Survey, Portion of Subdivision, T. 17 S., R. 14 W.

Chains

T17S R14W

S30|S29S31|S32

1959

Raise a mound of stone, 2 ft. base, 2 ft. high, W. of cor.

Land, nearly level.

Soil, clay, sand and alkali.

Timber, none.

From the cor. of secs. 28, 29, 32 and 33.

S. 89° 59' W., bet. secs. 29 and 32.

Over nearly level desert valley.

40.01 Point for the $\frac{1}{4}$ sec. cor. of secs. 29 and 32.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T17S R14W

 $\frac{1}{4}$ S29S32

1959

Raise a mound of stone, 2 ft. base, 2 ft. high, N. of cor.

Cont. over nearly level desert valley.

80.02 The cor. of secs. 29, 30, 31 and 32.

Land, nearly level.

Soil, sand, clay and alkali.

Timber, none.

General Description

The land within this township is broken, mountainous and desert land. The eastern portion of the township is in the House Range Mountains and the western portion is in the White Valley. The elevation varies from 8,200 feet above sea level on the mountains to 4,400 feet above sea level in the valley. The mountain range divides the drainage east and west into the valleys.

The soil varies from clay and exposed limestone on the mountains to sand, clay and alkali on the desert.

The timber is composed of pinon, juniper and pine of little commercial value.

Principal users of the area are sheepmen and access into the township is provided by desert roads.

Access into the survey lines was partially provided by helicopter.

No mineral formations of consequence were noted during the survey.

Chains

Chapman

04-15-2017
05/10/2017
25-10-2017
001

1. The first group of people who are interested in the study of the history of the United States are the people who are interested in the history of the United States.

... ..
... ..
... ..

1. The first part of the report is the introduction.

[illegible]

100-318961-107

• DATE TIME LOCATION REMARKS

1. The first group of people who are not allowed to enter the country are those who are not citizens of the United States and who are not permanent residents of the United States. This group includes all foreign-born individuals who are not citizens or permanent residents of the United States.

1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 26

• **How to use the book:** The book is divided into two parts. Part I contains the chapters on the basic concepts of the theory of the firm, and Part II contains the chapters on the applications of the theory of the firm to the study of the firm's behavior.

... 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676,

1. I have been told
 2. that the only way to
 3. get the best of the
 4. situation is to
 5. keep the situation
 6. as it is.

DATE _____

1. The first of these is the fact that the Commission has not yet received any information from the Government of the United States regarding the activities of the Committee for the Liberation of the Americas (CLA) in the United States. The Commission is therefore unable to determine whether the CLA is active in the United States or not.

1941-1942 1943-1944 1945-1946 1947-1948 1949-1950 1951-1952 1953-1954 1955-1956 1957-1958 1959-1960 1961-1962 1963-1964 1965-1966 1967-1968 1969-1970 1971-1972 1973-1974 1975-1976 1977-1978 1979-1980 1981-1982 1983-1984 1985-1986 1987-1988 1989-1990 1991-1992 1993-1994 1995-1996 1997-1998 1999-2000 2001-2002 2003-2004 2005-2006 2007-2008 2009-2010 2011-2012 2013-2014 2015-2016 2017-2018 2019-2020 2021-2022 2023-2024 2025-2026 2027-2028 2029-2030 2031-2032 2033-2034 2035-2036 2037-2038 2039-2040 2041-2042 2043-2044 2045-2046 2047-2048 2049-2050 2051-2052 2053-2054 2055-2056 2057-2058 2059-2060 2061-2062 2063-2064 2065-2066 2067-2068 2069-2070 2071-2072 2073-2074 2075-2076 2077-2078 2079-2080 2081-2082 2083-2084 2085-2086 2087-2088 2089-2090 2091-2092 2093-2094 2095-2096 2097-2098 2099-2100 2101-2102 2103-2104 2105-2106 2107-2108 2109-2110 2111-2112 2113-2114 2115-2116 2117-2118 2119-2120 2121-2122 2123-2124 2125-2126 2127-2128 2129-2130 2131-2132 2133-2134 2135-2136 2137-2138 2139-2140 2141-2142 2143-2144 2145-2146 2147-2148 2149-2150 2151-2152 2153-2154 2155-2156 2157-2158 2159-2160 2161-2162 2163-2164 2165-2166 2167-2168 2169-2170 2171-2172 2173-2174 2175-2176 2177-2178 2179-2180 2181-2182 2183-2184 2185-2186 2187-2188 2189-2190 2191-2192 2193-2194 2195-2196 2197-2198 2199-2200 2201-2202 2203-2204 2205-2206 2207-2208 2209-2210 2211-2212 2213-2214 2215-2216 2217-2218 2219-2220 2221-2222 2223-2224 2225-2226 2227-2228 2229-2230 2231-2232 2233-2234 2235-2236 2237-2238 2239-2240 2241-2242 2243-2244 2245-2246 2247-2248 2249-2250 2251-2252 2253-2254 2255-2256 2257-2258 2259-2260 2261-2262 2263-2264 2265-2266 2267-2268 2269-2270 2271-2272 2273-2274 2275-2276 2277-2278 2279-2280 2281-2282 2283-2284 2285-2286 2287-2288 2289-2290 2291-2292 2293-2294 2295-2296 2297-2298 2299-2300 2301-2302 2303-2304 2305-2306 2307-2308 2309-2310 2311-2312 2313-2314 2315-2316 2317-2318 2319-2320 2321-2322 2323-2324 2325-2326 2327-2328 2329-2330 2331-2332 2333-2334 2335-2336 2337-2338 2339-2340 2341-2342 2343-2344 2345-2346 2347-2348 2349-2350 2351-2352 2353-2354 2355-2356 2357-2358 2359-2360 2361-2362 2363-2364 2365-2366 2367-2368 2369-2370 2371-2372 2373-2374 2375-2376 2377-2378 2379-2380 2381-2382 2383-2384 2385-2386 2387-2388 2389-2390 2391-2392 2393-2394 2395-2396 2397-2398 2399-2400 2401-2402 2403-2404 2405-2406 2407-2408 2409-2410 2411-2412 2413-2414 2415-2416 2417-2418 2419-2420 2421-2422 2423-2424 2425-2426 2427-2428 2429-2430 2431-2432 2433-2434 2435-2436 2437-2438 2439-2440 2441-2442 2443-2444 2445-2446 2447-2448 2449-2450 2451-2452 2453-2454 2455-2456 2457-2458 2459-2460 2461-2462 2463-2464 2465-2466 2467-2468 2469-2470 2471-2472 2473-2474 2475-2476 2477-2478 2479-2480 2481-2482 2483-2484 2485-2486 2487-2488 2489-2490 2491-2492 2493-2494 2495-2496 2497-2498 2499-2500 2501-2502 2503-2504 2505-2506 2507-2508 2509-2510 2511-2512 2513-2514 2515-2516 2517-2518 2519-2520 2521-2522 2523-2524 2525-2526 2527-2528 2529-2530 2531-2532 2533-2534 2535-2536 2537-2538 2539-2540 2541-2542 2543-2544 2545-2546 2547-2548 2549-2550 2551-2552 2553-2554 2555-2556 2557-2558 2559-2560 2561-2562 2563-2564 2565-2566 2567-2568 2569-2570 2571-2572 2573-2574 2575-2576 2577-2578 2579-2580 2581-2582 2583-2584 2585-2586 2587-2588 2589-2590 2591-2592 2593-2594 2595-2596 2597-2598 2599-2600 2601-2602 2603-2604 2605-2606 2607-2608 2609-2610 2611-2612 2613-2614 2615-2616 2617-2618 2619-2620 2621-2622 2623-2624 2625-2626 2627-2628 2629-2630 2631-2632 2633-2634 2635-2636 2637-2638 2639-2640 2641-2642 2643-2644 2645-2646 2647-2648 2649-2650 2651-2652 2653-2654 2655-2656 2657-2658 2659-2660 2661-2662 2663-2664 2665-2666 2667-2668 2669-2670 2671-2672 2673-2674 2675-2676 2677-2678 2679-2680 2681-2682 2683-2684 2685-2686 2687-2688 2689-2690 2691-2692 2693-2694 2695-2696 2697-2698 2699-2700 2701-2702 2703-2704 2705-2706 2707-2708 2709-2710 2711-2712 2713-2714 2715-2716 2717-2718 2719-2720 2721-2722 2723-2724 2725-2726 2727-2728 2729-2730 2731-2732 2733-2734 2735-2736 2737-2738 2739-2740 2741-2742 2743-2744 2745-2746 2747-2748 2749-2750 2751-2752 2753-2754 2755-2756 2757-2758 2759

[illegible]

CONFIDENTIAL

ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED
DATE 08-19-2010 BY 60322 UCBAW/SJS/KAP

[illegible][illegible]

FIELD ASSISTANTS

16-52586-2

CERTIFICATE OF CADASTRAL ENGINEER

I, Vern E. Lane, HEREBY CERTIFY upon honor that, pursuant to special instructions bearing date of the 15th day of August, 1960, supplemental special instructions dated 29th day of June, 1960, I have ~~examined~~ revised the survey of the east ~~boundary and a portion of the subdivision~~ boundary and a portion of the subdivision; and the ~~resurvey of a portion of the north boundary~~ resurvey of a portion of the north boundary, T. 17 S., R. 14 W.

of the Salt Lake Meridian, in the State of Utah, which ~~is~~ under my supervision represented in the foregoing field notes as having been executed ~~by the Cadastral Engineer~~; and ~~the~~ said survey has been made in strict conformity with said instructions, the Manual of Instructions for Survey of the Public Lands of the United States, and in the specific manner described in the ~~field notes~~ field notes.

Salt Lake City, Utah

May 6, 1960

Vern E. Lane - Cadastral Engineer

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., DEC 9 1960, 1960

The foregoing field notes of the survey of the east boundary, a portion of the north boundary, and the ~~resurvey of a portion of the north boundary~~ resurvey of a portion of the north boundary, T. 17 S., R. 14 W., Salt Lake Meridian, Utah

executed by Lacel E. Bland, Cadastral Surveyor
Vern E. Lane, Cadastral Surveyor
having been critically examined and found correct, are hereby approved.

Cadastral Engineering Staff Officer

CERTIFICATE OF TRANSCRIPT

copy of the original field notes.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ORIGINAL

FIELD NOTES

OF THE

DEPENDENT RESURVEY

OF THE

WEST BOUNDARY OF T. 18 S., R. 12 W.

AND THE SURVEY

OF THE

NORTH BOUNDARY

AND A PORTION OF THE SUBDIVISION

OF

TOWNSHIP 18 SOUTH, RANGE 13 WEST

Of the Salt Lake Meridian,

In the State of Utah

EXECUTED BY

Vern E. Lane, Cadastral Surveyor (Chief of Party)

Eldon W. Sibley, Cartographic Survey Aid

Under special instructions dated August 3, 1936, which provided
and supplemental special instructions dated June 28, 1954
for the surveys included under Group No. 272, approved September 16, 1936
July 15, 1954
and assignment instructions dated May 1, 1959

Survey commenced July 7, 1959

Survey completed July 27, 1959

INDEX DIAGRAM

Township 18 South, Range 13 West					
14	13	12	11	10	9
6	5	4	20 3	20 2 21	21 1 8
7	8	9 23	19 10	11	12 6
18	17	23 16 22	18 15	14	13 5
19	20	21	18 22	23	24 4
30	29 25	28	17 27	26	25 3 16
31	24 32	24 33	16 34	35	15 36 1

Township 18 South, Range 13 West

Chains

The east boundary was surveyed by A. J. Stewart Jr. in 1885. The west and south boundaries were surveyed concurrently and are described in the field notes of T. 18 S., R. 14 W. and T. 19 S., R. 13 W., respectively.

The following field notes are those of the dependent resurvey of the east boundary and the survey of the north boundary and a portion of the subdivision of T. 18 S., R. 13 W., deemed sufficient to facilitate the development of the natural resources and mark the boundaries of those sections that are normally considered state school sections.

The survey was executed with a W. & L. E. Gurley solar transit No. 491037, constructed in accordance with the standard instrumental specifications of the Bureau of Land Management. The instrument was in good condition prior to the beginning of the survey and was maintained in proper adjustment throughout the progress of the survey.

Corners on east-west lines were set on the true latitudinal curve. Lines connecting previously established corners were run by the random and true method, but for simplification of the record the random lines are omitted from the field notes. In accordance with the intent of the special instructions, all subdivisional corners established are calculated to be at the position they would occupy if the entire township were subdivided.

Measurements herein contained were made with a narrow steel tape, 8 chains in length, graduated every link for the first 100 links, and thereafter at intervals of 10 links. The tape was tested by comparison with a 1 chain standard steel tape and found to be correct. Measurements were made on the slope with the vertical angle of each interval ascertained by a clinometer in good adjustment; horizontal equivalents alone are entered in the field notes. All lines of this survey were run by the direct method where the lines were accessible; lines inaccessible were run by the traverse or triangulation methods. The details of such traverses or triangulations have been thoroughly checked and verified, and in order to simplify the record the diagrams and reductions are omitted from these field notes.

The direction of the lines of this survey were determined by reference to true meridians established on line by hour angle observations on Polaris or altitude observations on the sun. The lines were carried forward by sustained angulation being supplemented by other numerous altitude observations on the sun taken throughout the progress of the survey.

The geographic position for the southeast corner of the township is at latitude $39^{\circ} 11' 33.2''$ N. and longitude $113^{\circ} 15' 15.4''$ W. as adjusted from traverses along section lines to U. S. G. S. triangulation station Water Tank, located near cross roads at Painted Springs.

The magnetic declination was read at a number of stations throughout the township and the average of these readings was found to be $16^{\circ} 30' E.$

Dependent Resurvey of the West Boundary of T. 18 S., R. 12 W., and the Establishment Thereon of New Corners at Latitudinal Intervals of 40 chs

Reestablishment of survey executed by A. J. Stewart Jr. in 1885.

Beginning at the cor. of Tps. 18 and 19 S., R. 12 W., an iron post, $2\frac{1}{2}$ ins. diam., set, mkd. and witnessed as described in the field notes of T. 19 S., R. 12 W.

N. $0^{\circ} 39' W.$, on the W. bdy. of sec. 31, T. 18 S., R. 12 W.

Resurvey N. 18 S., R. 12 W.

Chains

- Over gently rolling land draining E. (cont.)
- 12.50 Wash, 40 lks. wide, 2 ft. deep, drains SE.
- 26.88 Point for the $\frac{1}{4}$ sec. cor. of sec. 36, T. 18 S., R. 13 W.
Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the with brass cap mkd.
T18S
R13W R12W
 $\frac{1}{4}$
S36
1959
- Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
- 40.24 The $\frac{1}{4}$ sec. cor. of sec. 31, T. 18 S., R. 12 W., mkd. by the cor. originally established for the $\frac{1}{4}$ sec. cor. of secs. 31 and 36, a granite rock 10x10x3 ins., firmly set and plainly mkd.
At the point for the cor.
Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the with brass cap mkd.
T18S
R13W R12W
 $\frac{1}{4}$
S31
1959
- Raise a mound of stone, 3 ft. base, $1\frac{1}{2}$ ft. high, E. of cor.
- N. $0^{\circ}39'$ W., beginning new measurement.
- 26.64 Point for the cor. of secs. 25 and 36, T. 18 S., R. 13 W.
Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the with brass cap mkd.
T18S
R13W R12W
S25
S36 S31
1959
- Raise a mound of stone, 3 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
- 39.97 The cor. of secs. 30 and 31, T. 18 S., R. 12 W., mkd. by the cor. originally established for the cor. of secs. 25, 30, 31 and 36, a limestone 12x8x6 ins., firmly set and plainly mkd.
At the point for the cor.
Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the with brass cap mkd.
T18S
R13W R12W
S25
S31
1959
- Raise a mound of stone, 3 ft. base, 2 ft. high, E. of cor.

W. Bdy. T. 18 S., R. 12 W.

Chains

Land, gently rolling.

Soil, gravel and sandy loam.

Undergrowth, scattered greasewood and sagebrush.

Timber, none.

N. 0° 40' W., on the W. bdy. of sec. 30, T. 18 S., R. 12 W.

Over gently rolling land draining E.

4.00 Wash, 10 lks. wide, 1 ft. deep, drains E.

13.10 Wash, 30 lks. wide, 2 ft. deep, drains SE.

26.67 Point for the $\frac{1}{4}$ sec. cor. of sec. 25, T. 18 S., R. 13 W.

Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.

T18S
R13W R12W
 $\frac{1}{4}$
S25
1959

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

40.14 The $\frac{1}{4}$ sec. cor. of sec. 30, T. 18 S., R. 12 W., mkd. by the cor. originally established for the $\frac{1}{4}$ sec. cor. of secs. 25 and 30, a limestone 14x10x5 ins., firmly set and plainly mkd.

At the point for the cor.

Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.

T18S
R13W R12W
 $\frac{1}{4}$
S30
1959

Raise a mound of stone, 3 ft. base, 2 ft. high, E. of cor.

N. 0° 44' W., beginning new measurement.

9.20 Wash, 20 lks. wide, 3 ft. deep, drains E.

21.70 Wash, 30 lks. wide, 2 ft. deep, drains SE.

26.53 Point for the cor. of secs. 24 and 25, T. 18 S., R. 13 W.

Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.

T18S
R13W R12W
S24
S25
S30
1959

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

Chains

- 26.80 Wash, 20 lks. wide, 3 ft. deep, drains S. 70° E.
- 29.90 Wash, 40 lks. wide, 2 ft. deep, drains E.
- 40.16 Point for the cor. of secs. 19 and 30, T. 18 S., R. 12 W., at proportionate dist.; there is no remaining evidence of the cor. originally established for the cor. of secs. 19, 24, 25 and 30.

Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the with brass cap mkd.

T18S

R13W R12W

S24	S19
	S30

1959

Raise a mound of stone, 3 ft. base, 2 ft. high, E. of cor.

Land, rolling.

Soil, gravel and sandy loam.

Undergrowth, scattered sagebrush and shadscale.

Timber, none.

N. 0° 44' W., on the W. bdy., sec. 19, T. 18 S., R. 12 W.

Over gently rolling land draining E.

- 26.37 Point for the ¼ sec. cor. of sec. 24, T. 18 S., R. 13 W.

Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the with brass cap mkd.

T18S

R13W R12W

S24	¼
	S19

1959

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

- 40.16 Point for the ¼ sec. cor. of sec. 19, T. 18 S., R. 12 W., at proportionate dist.; there is no remaining evidence of the cor. originally established for the ¼ sec. cor. of secs. 19 and 24.

Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the with brass cap mkd.

T18S

R13W R12W

S24	¼
	S19

1959

Raise a mound of stone, 2½ ft. base, 1½ ft. high, E. of cor.

- 44.50 Wash, 20 lks. wide, 2 ft. deep, drains E.

- 66.37 Point for the cor. of secs. 13 and 24, T. 18 S., R. 13 W.

Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the with brass cap mkd.

Dependent Resurvey, W. Bdy., T. 18 S., R. 12 W.

Chains

T18S
R13W R12W
S13 | S19
S24 |
1959

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

80.31 The cor. of secs. 18 and 19, T. 18 S., R. 12 W., mkd. by the cor. originally established for the cor. of secs. 13, 18, 19 and 24, a limestone 12x8x6 ins., firmly set and plainly mkd.

At the point for the cor.

Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.

T18S
R13W R12W
S13 | S18
S19 |
1959

Raise a mound of stone, 3 ft. base, 1½ ft. high, E. of cor.

Bury the original cor. alongside the iron post.

Land, gently rolling.

Soil, sandy loam and gravel.

Undergrowth, scattered sagebrush and shadscale.

Timber, none.

N. 0° 46' W., on the W. bdy. of sec. 18, T. 18 S., R. 12 W.

Over gently rolling land, draining E.

10.40 Wash, 40 lks. wide, 3 ft. deep, drains E.

26.06 Point for the ¼ sec. cor. of sec. 13, T. 18 S., R. 13 W.

Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.

T18S
R13W R12W
¼ |
S13 |
1959

Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.

39.83 The ¼ sec. cor. of sec. 18, T. 18 S., R. 12 W., mkd. by the cor. originally established for the ¼ sec. cor. of secs. 13 and 18, a limestone 10x8x6 ins., firmly set and plainly mkd.

At the point for the cor.

Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.

Chains

T18S
R13W R12W
|
S18
1959

Raise a mound of stone, 3 ft. base, 1½ ft. high, E. of cor.

Bury the original cor. alongside the iron post.

N. 0° 25' W., beginning new measurement.

10.50 Graded road, bears E. and W.

26.23 Point for the cor. of secs. 12 and 13, T. 18 S., R. 13 W.

Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground and in a mound of stone to top, 4 ft. base, with brass cap mkd.

T18S
R13W R12W
S12
S13 S18
1959

27.00 Base of ascent, bears E. and W.; asc. 70 ft. over S. slope.

39.91 The cor. of secs. 7 and 18, T. 18 S., R. 12 W., mkd. by the cor. originally established for the cor. of secs. 7, 12, 13 and 18, a limestone 16x12x8 ins., firmly set and plainly mkd.

At the point for the cor.

Set an iron post, 30 ins. long, 2½ ins. diam., 2 ins. in the ground to bedrock, and in a mound of stone to top, 5 ft. base, with brass cap mkd.

T18S
R13W R12W
S12 S 7
S18
1959

Land, rolling.

Soil, sandy loam, light clay and limestone outcroppings.

Undergrowth, scattered sagebrush and shadscale.

Timber, none.

N. 0° 42' W., on the W. bdy. of sec. 7, T. 18 S., R. 12 W.

Over rolling land, asc. 10 ft. over S. slope.

.30 Top of small ridge, bears E. and W.; desc. 60 ft. over N. slope.

5.70 Base of descent, bears E. and W., over nearly level land.

6.90 Trail road, bears E. and W.

24.60 Trail road, bears NE. and SW.

26.32 Point for the ¼ sec. cor. of sec. 12, T. 18 S., R. 13 W.

Dependent Resurvey, N. Bdy., T. 18 S., R. 12 W.

Chains

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 10 ins. in the ground, and in a mound of stone to top, $3\frac{1}{2}$ ft. base, with brass cap mkd.

T18S

R13W R12W

S12

1959

29.30 Wash, 50 lks. wide, 1 ft. deep, drains SE.

40.02 The $\frac{1}{4}$ sec. cor. of sec. 7, T. 18 S., R. 12 W., mkd. by the cor. originally established for the $\frac{1}{4}$ sec. cor. of secs. 7 and 12, a limestone $10 \times 6 \times 4$ ins., firmly set and plainly mkd.

At the point for the cor.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T18S

R13W R12W

 $\frac{1}{4}$

S 7

1959

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, E. of cor.

Bury the original cor. alongside the iron post.

N. $0^\circ 46'$ W., beginning new measurement.

26.30 Point for the cor. of secs. 1 and 12, T. 18 S., R. 13 W.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap mkd.

T18S

R13W R12W

S 1

S12 S 7

1959

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

40.07 The cor. of secs. 6 and 7, T. 18 S., R. 12 W., mkd. by the cor. originally established for the cor. of secs. 1, 6, 7 and 12, a limestone, $10 \times 8 \times 8$ ins., firmly set and plainly mkd.

At the point for the cor.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap mkd.

T18S

R13W R12W

S 1

S 6 S 7

1959

Raise a mound of stone, 3 ft. base, $2\frac{1}{2}$ ft. high, E. of cor.

Bury the original cor. alongside the iron post.

Land, rolling to nearly level.

Soil, sandy loam, light clay and limestone outcroppings.

Undergrowth, scattered sagebrush and shadscale.

Timber, none.

Resurvey W. 1/4 Sec. 6, T. 18 S., R. 12 W.

Chains

N. $0^{\circ} 44'$ W., on the W. bdy. of sec. 6, T. 18 S., R. 12 W.

Over nearly level desert land.

26.23 Point for the $\frac{1}{4}$ sec. cor. of sec. 1, T. 18 S., R. 13 W.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the ground with brass cap mkd.

T18S
R13W R12W
 $\frac{1}{4}$
S 1
1959

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

40.19 The $\frac{1}{4}$ sec. cor. of sec. 6, T. 18 S., R. 12 W., mkd. by the cor. originally set for the $\frac{1}{4}$ sec. cor. of secs. 1 and 6, a limestone $8 \times 6 \times 4$ ins., firmly set and plainly mkd.

At the point for the cor.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the ground with brass cap mkd.

T18S
R13W R12W
 $\frac{1}{4}$
S 6
1959

Raise a mound of stone, 3 ft. base, 2 ft. high, E. of cor.

Bury the original cor. alongside the iron post.

N. $0^{\circ} 53'$ W., beginning new measurement.

3.50 Graded road, bears N. 30° E. and S. 70° W., on bend.

26.04 Point for the cor. of Tps. 17 and 18 S., R. 13 W.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the ground with brass cap mkd.

T17S
R13W R12W
S36
S 1
T18S
1959

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

42.95 The cor. of Tps. 17 and 18 S., R. 12 W., mkd. by the cor. originally established for the cor. of Tps. 17 and 18 S., Rs. 12 and 13 W., a limestone $24 \times 10 \times 8$ ins., firmly set and plainly mkd.

At the point for the cor.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground with brass cap mkd.

T. 17 S., R. 13 W.

Chains

T17S
R13W R12W

836 | S31
S 6

T18S

1959

Raise a mound of stone, $3\frac{1}{2}$ ft. base, $2\frac{1}{2}$ ft. high, E. of cor.

Bury the original cor. alongside the iron post.

Land, nearly level desert valley.

Soil, sandy loam and light clay.

Undergrowth, scattered sagebrush and shadscale.

Timber, none.

The Survey of the North Boundary of T. 18 S., R. 13 W., and the Establishment of Corners for T. 17 S., R. 13 W., at Intervals of 40chs.

From the cor. of Tps. 17 and 18 S., R. 13 W.,

S. $89^{\circ} 58'$ W., along the N. bdy. of sec. 1, T. 18 S., R. 13 W.

Over rolling hills; asc. 40 ft. over E. slope.

10.30 Spur, slopes S. 20° E.; desc. 10 ft. over W. slope.

18.10 Point for the $\frac{1}{4}$ sec. cor. of sec. 1, T. 18 S., R. 13 W.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap mkd.

T17S R13W

$\frac{1}{4}$ S 1
T18S
1959

Raise a mound of stone, 3 ft. base, 2 ft. high, S. of cor.

Desc. 20 ft. over W. slope,

23.30 Wash, 10 lks. wide, 1 ft. deep, drains SE.; asc. 120 ft. over E. slope.

34.20 Spur, slopes S. 20° E., 2 chs. to end; desc. 20 ft. over W. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of sec. 36, T. 17 S., R. 13 W.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap mkd.

T17S R13W

$\frac{1}{4}$ S36

T18S

1959

Raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.

Desc. 20 ft. over W. slope,

48.20 Draw, drains SE.; asc. 50 ft.

49.70 Small spur, slopes SE.; desc. 20 ft. over W. slope.

N. Bdy., T. 18 S., R. 13 W.

Chains

55.60 Wash, 30 lks. wide, 2 ft. deep, drains SE.; asc. gradual E. slope.

58.10 Point for the cor. of secs. 1 and 2, T. 18 S., R. 13 W.

Set an iron post, 30 ins. long, 2½ ins. diam., 15 ins. in the and in a mound of stone to top, 3 ft. base, with brass cap mkd.

T17S R13W

S36

S 2 S 1

T18S

1959

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

Land, rolling.

Soil, sandy loam and rocky.

Undergrowth, scattered sagebrush and shadscale.

Timber, none.

S. 89° 58' W., on the N. bdy. of sec. 2, T. 18 S., R. 13 W.

Over rolling land, draining SE.; asc. gradual SE. slope.

7.90 Trail road, bears S. 20° E. and N. 20° W.

21.90 Point for the cor. of secs. 35 and 36, T. 17 S., R. 13 W.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the gr. with brass cap mkd.

T17S R13W

S35 S36

S 2

T18S

1959

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

40.00 Point for the ¼ sec. cor. of sec. 2, T. 18 S., R. 13 W.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the gr. with brass cap mkd.

T17S R13W

¼ S 2

T18S

1959

Raise a mound of stone, 3 ft. base, 2 ft. high, S. of cor.

Asc. gradual SE. slope.

43.00 Wash, 30 lks. wide, 2 ft. deep, drains S. 70° E.

49.20 Wash, 40 lks. wide, 3 ft. deep, drains SE.

61.90 Point for the ¼ sec. cor. of sec. 35, T. 17 S., R. 13 W.

Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the with brass cap mkd.

Survey, N. Bdy., T. 18 S., R. 13 W.

Chains

T17S R13W
1/4 S35T18S
1959

Raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.

80.00 Point for the cor. of secs. 2 and 3, T. 18 S., R. 13 W.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, with brass cap mkd.

T17S R13W
S35
S 3 | S 2
T18S
1959

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

Land, rolling.

Soil, sandy loam and gravel.

Undergrowth, scattered sagebrush and shadscale.

Timber, none.

S. 89° 58' W., on the N. bdy. of sec. 3, T. 18 S., R. 13 W.

Over rolling land; asc. gradual SE. slope.

19.50 Wash, 20 lks. wide, 2 ft. deep, drains S. 70° E.

21.90 Point for the cor. of secs. 34 and 35, T. 17 S., R. 13 W.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, with brass cap mkd.

T17S R13W
S34 | S35
S 3
T18S
1959

Raise a mound of stone, 3 1/2 ft. base, 2 ft. high, W. of cor.

40.00 Point for the 1/4 sec. cor. of sec. 3, T. 18 S., R. 13 W.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.

T17S R13W
1/4 S 3
T18S
1959

Raise a mound of stone, 3 ft. base, 2 ft. high, S. of cor.

Asc. gradual SE. slope.

61.90 Point for the 1/4 sec. cor. of sec. 34, T. 17 S., R. 13 W.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.

Survey, S. 24, T. 16 S., R. 13 W.

T176 S12W

S 12 W

T188

1939

Set a mound of stone, 24 ft. base, 2 ft. high, S. of cor.

M. 22 Point for the cor. of sec. 3 and 4, T. 16 S., R. 13 W.

Set on iron post, 20 lbs. long, 2 1/2 ins. diam., 22 ins. in the ground with brace cap and.

T176 S12W

S 12 W

S 12 W

T188

1939

Set a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

Land, rolling.

Soil, sandy loam and gravel.

Shrubgrowth, scattered sagebrush and shrubs.

Timber, none.

S. 24' 10' W., on the N. hdy. of sec. 4, T. 16 S., R. 13 W.

Over rolling land draining SE.

M. 23 Point for the cor. of sec. 33 and 34, T. 17 S., R. 13 W.

Set on iron post, 20 lbs. long, 2 1/2 ins. diam., 22 ins. in the ground with brace cap and.

T176 S12W

S 12 W

S 12 W

T188

1939

Set a mound of stone, 1 ft. base, 2 1/2 ft. high, W. of cor.

22.22 Bladed road, base 5, 20' W. and S. 20' E.

23.20 Ditch, 100 lbs. wide, 1 ft. deep, drains S.

24.20 Point for the 1/2 cor. cor. of sec. 4, T. 16 S., R. 13 W.

Set on iron post, 20 lbs. long, 2 1/2 ins. diam., 24 ins. in the ground with brace cap and.

T176 S12W

S 12 W

S 12 W

T188

1939

Set a mound of stone, 4 ft. base, 2 1/2 ft. high, S. of cor.

25.21 Bladed road, base 5, 20' W. and S. 20' E.

26.21 Ditch, 20 lbs. wide, 1 ft. deep, drains S.; also 20 ft. over S. slope

27.21 Point for the 1/2 cor. cor. of sec. 33, T. 17 S., R. 13 W.

Set on iron post, 20 lbs. long, 2 1/2 ins. diam., 24 ins. in the ground with brace cap and.

Survey, N. Bdy., T. 18 S., R. 13 W., Coville

Chains

T17S R13W

S33

T18S

1959

Raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.

Asc. 160 ft. over E. slope.

80.00

Point for the cor. of secs. 4 and 5, T. 18 S., R. 13 W.

Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground, and in a mound of stone to top, 3½ ft. base, with brass cap mkd.

T17S R13W

S33

S 5 | S 4

T18S

1959

Land, rolling.

Soil, sandy loam, clay and exposed limestone.

Undergrowth, scattered sagebrush and shadscale.

Timber, none.

S. 89° 58' W., on the N. bdy. of sec. 5, T. 18 S., R. 13 W.

Over broken land; asc. 370 ft. over steep E. slope.

15.20

Spur, slopes S.; desc. 130 ft. over SW. slope.

21.90

Point for the cor. of secs. 32 and 33, T. 17 S., R. 13 W.

Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground, and in a mound of stone to top, 3 ft. base, with brass cap mkd.

T17S R13W

S32 | S33

S 5

T18S

1959

Desc. 50 ft. over SW. slope.

40.00

Point for the ¼ sec. cor. of sec. 5, T. 18 S., R. 13 W.

Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground, and in a mound of stone to top, 4 ft. base, with brass cap mkd.

T17S R13W

S 5

T18S

1959

Desc. 10 ft. over SW. slope.

40.30

Wash, 10 lks. wide, 2 ft. deep, drains S.; asc. 130 ft. over SE. slope.

53.70

Spur, slopes S. 30° W.; desc. 10 ft. over W. slope.

61.90

Point for the ¼ sec. cor. of sec. 32, T. 17 S., R. 13 W.

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Survey, N. Bdy., T. 18 S., R. 13 W., 1959

Chains

Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the and in a mound of stone to top, 3 ft. base, with brass cap mkd.

T17S R13W

S 32

T18S

1959

Desc. 70 ft. over W. slope.

80.00

Point for the cor. of secs. 5 and 6, T. 18 S., R. 13 W.

Set an iron post, 30 ins. long, 2½ ins. diam., 3 ins. in the ground to bedrock, and in a mound of stone to top, 4 ft. base, with brass cap mkd.

T17S R13W

S 32S 6 | S 5

T18S

1959

Land, broken.

Soil, clay and exposed limestone.

Timber, scattered scrub juniper.

S. 89° 58' W., on the N. bdy. of sec. 6, T. 18 S., R. 13 W.

Over broken land; desc. 20 ft. over W. slope.

3.20

Wash, 30 lks. wide, 3 ft. deep, drains S.; asc. 20 ft. over E. slope.

6.00

Small ridge, bears N. and S.; desc. 30 ft. over W. slope.

10.30

Wash, 30 lks. wide, 2 ft. deep, drains S.; asc. 70 ft. over SE. slope.

21.90

Point for the cor. of secs. 31 and 32, T. 17 S., R. 13 W.

Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the and in a mound of stone to top, 4 ft. base, with brass cap mkd.

T17S R13W

S 31 | S 32S 6

T18S

1959

Asc. 110 ft. over SE. slope.

29.30

Top of ascent, bears N. and S.; desc. 80 ft. over W. slope.

33.40

Wash, 20 lks. wide, 2 ft. deep, drains S.; asc. 80 ft. over E. slope.

38.60

Small ridge bears N. and S.; desc. 10 ft. over W. slope.

40.00

Point for the ¼ sec. cor. of sec. 36, T. 18 S., R. 13 W.

Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the and in a mound of stone to top, 3½ ft. base, with brass cap mkd.

Survey, N. Bdy., T. 18 S., R. 13 W.

Chains

T17S R13W

 $\frac{1}{4}$ S 6

T18S

1959

Desc. 60 ft. over W. slope.

45.10 Wash, 20 lks. wide, 2 ft. deep, drains SW.; asc. 70 ft. over SE. slope.

61.90 Point for the $\frac{1}{4}$ sec. cor. of sec. 31, T. 17 S., R. 13 W.Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 12 ins. in the ground, and in a mound of stone to top, $3\frac{1}{2}$ ft. base, with brass cap mkd.

T17S R13W

 $\frac{1}{4}$ S31

T18S

1959

Asc. 440 ft. over broken SE. slope.

78.49 The cor. of Tps. 17 and 18 S., Rs. 13 and 14 W., an iron post, $2\frac{1}{2}$ ins. diam., set, mkd. and witnessed as described in the field notes of T. 18 S., R. 14 W.

Land, broken.

Soil, shallow clay and limestone outcroppings.

Timber, scattered scrub juniper.

Survey of a Portion of the Subdivision of T. 18 S., R. 13 W.

From the cor. of secs. 1, 2, 35 and 36 on the S. bdy. of the Tp., an iron post, $2\frac{1}{2}$ ins. diam., set, mkd. and witnessed as described in the field notes of T. 19 S., R. 13 W.

North, bet. secs. 35 and 36, on a Sectional Guide Meridian.

Over rolling land draining E.

22.30 Trail road, bears NW. and SE.

38.90 Wash, 30 lks. wide, 3 ft. deep, drains SE.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 35 and 36.Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap mkd.

T18S R13W

 $\frac{1}{4}$

S35|S36

1959

Raise a mound of stone, 3 ft. base, $2\frac{1}{2}$ ft. high, W. of cor.77.10 Wash, 50 lks. wide, 2 ft. deep, course S. 70° E.

80.00 Point for the cor. of secs. 25, 26, 35 and 36.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap mkd.

Survey, Portion of Subdivision, T. 18 S., R. 13 W.

Chains

T18S R13W

S26|S25

S35|S36

1959

Raise a mound of stone, 3 ft. base, 2½ ft. high, W. of cor.

Land, rolling.

Soil, sandy loam and gravel.

Undergrowth, scattered greasewood and sagebrush.

Timber, none.

From the cor. of secs. 25 and 36 on the E. bdy. of Tp.

S. 89° 56' W., bet. secs. 25 and 36.

Over rolling land; asc. gradual E. slope.

23.10 Point for the ¼ sec. cor. of secs. 25 and 36.

Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground with brass cap mkd.

T18S R13W

¼ S25

S36

1959

Raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.

Asc. gradual E. slope.

27.20 Wash, 10 lks. wide, 1 ft. deep, drains S. 70° E.

41.10 Wash, 30 lks. wide, 3 ft. deep, drains S. 70° E.

63.10 The cor. of secs. 25, 26, 35 and 36.

Land, rolling.

Soil, gravel, sandy loam.

Undergrowth, scattered greasewood and sagebrush.

Timber, none.

From the cor. of secs. 3, 4, 33 and 34, on the S. bdy. of the Tp., iron post, 2½ ins. diam., set mkd. and witnessed as described in field notes of T. 19 S., R. 13 W.

N. 0° 01' W., bet. secs. 33 and 34.

Over broken land; asc. 180 ft. over rocky S. slope.

10.50 Top of ascent, bears SW. and E.; desc. 40 ft. over N. slope.

18.00 Head of small wash, drains steeply NW.; desc. 180 ft. over NW. slope.

35.80 Wash, 20 lks. wide, 2 ft. deep, drains NE.; asc. 40 ft. over SE. slope.

38.30 Spur, slopes E., 3 chs. to end; desc. 20 ft. over N. slope.

40.00 Point for the ¼ sec. cor. of secs. 33 and 34.

Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground and in a mound of stone to top, 4 ft. base, with brass cap mkd.

Survey, Portion of Subdivision, T. 18 S., R. 13 W.

Chains

T18S R13W
S33|S34
1959

Desc. 10 ft. over N. slope.

40.80 Small wash, drains SE.; asc. 180 ft. over broken S. slope.

60.40 Top of ascent, bears SW. and E.; desc. 280 ft. over broken NW. slope.

71.00 Wash, 100 lks. wide, 2 ft. deep, drains N. 60° E.; asc. 110 ft. over S. slope.

80.00 Point for the cor. of secs. 27, 28, 33 and 34.

Set an iron post, 30 ins. long, 2½ ins. diam., 14 ins. in the ground, and in a mound of stone to top, 3 ft. base, with brass cap mkd.

T18S R13W

S28|S27
S33|S34

1959

Land, broken.

Soil, clay and limestone outcroppings.
Undergrowth, widely scattered sagebrush and shadscale.
Timber, widely scattered scrub juniper.

N. 0° 01' W., bet. secs. 27 and 28.

Over broken land; asc. 60 ft. over S. slope.

.40 Top of rocky point extends E. 30 lks.; asc. 110 ft. along ledges facing E.

19.90 Small point, projects E.; desc. 170 ft. over ledges facing NE.

27.00 Base of ledges, bears NE. and SW.; desc. 50 ft. over gentle N. slope.

32.20 Trail road, bears SE. and NW.; desc. 90 ft. over gentle N. slope.

40.00 Point for the ¼ sec. cor. of secs. 27 and 28.

Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.

T18S R13W

S28|S27

1959

Raise a mound of stone, 3½ ft. base, 2½ ft. high, W. of cor.

Over rolling desert land draining E.

57.40 Wash, 10 lks. wide, 2 ft. deep, drains E.

62.30 Wash, 10 lks. wide, 1 ft. deep, drains E.

80.00 Point for the cor. of secs. 21, 22, 27 and 28.

Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground, with brass cap mkd.

Section of T18S R13W

Chains

T18S R13W

S21|S22

S28|S27

1959

Raise a mound of stone, $3\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.

Land, S. $\frac{1}{2}$ mile broken; N. $\frac{1}{2}$ mile rolling.
Soil, sandy loam, clay and limestone outcroppings.

Undergrowth, scattered sagebrush and shadscale.

Timber, widely scattered scrub juniper in S. $\frac{1}{2}$ mile.

N. $0^{\circ} 01'$ W., bet. secs. 21 and 22.

Over rolling desert valley land draining E.

5.30 Trail road, bears E. and W.

9.40 Wash, 20 lks. wide, 2 ft. deep, drains E.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 21 and 22.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap mkd.

T18S R13W

S21|S22

1959

Raise a mound of stone, 3 ft. base, $2\frac{1}{2}$ ft. high, W. of cor.

42.50 Wash, 20 lks. wide, 2 ft. deep, drains E.

62.20 Wash, 20 lks. wide, 2 ft. deep, drains E.; asc. 100 ft. over S. slope.

73.90 Top of divide, bears E. and W.; desc. 150 ft. over N. slope.

80.00 Point for the cor. of secs. 15, 16, 21 and 22.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 14 ins. in the ground and in a mound of stone to top, 3 ft. base, with brass cap mkd.

T18S R13W

S16|S15

S21|S22

1959

Land, S. 60 chs. rolling; N. 20 chs. broken.

Soil, sandy loam, light clay and limestone outcroppings.

Undergrowth, scattered sagebrush and shadscale.

Timber, none.

N. $0^{\circ} 01'$ W., bet. secs. 15 and 16.

Over broken land; desc. 50 ft. over N. slope.

2.30 Base of steep hillside, bears E. and W.; desc. 330 ft. over rolling N. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 15 and 16.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the ground with brass cap mkd.

Survey, Portion of Subdivision, T. 18 S., R. 13 W.

Chains

T18S R13W
 $\frac{1}{2}$
 S16|S15
 1959

Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.

58.00 Wash, 80 lks. wide, 3 ft. deep, drains S. 70° E.

80.00 Point for the cor. of secs. 9, 10, 15 and 16.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 20 ins. in the ground, with brass cap mkd.

T18S R13W
 S 9|S10
 S16|S15
 1959

Raise a mound of stone, $2\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Land, rolling.

Soil, sandy loam and light clay.

Undergrowth, scattered sagebrush and shadscale.

Timber, none.

N. $0^{\circ} 01'$ W., bet. secs. 9 and 10.

Over rolling desert land.

29.20 Improved road, bears E. and W.

38.10 Wash, 10 lks. wide, 2 ft. deep, drains E.

40.00 Point for the $\frac{1}{2}$ sec. cor. of secs. 9 and 10.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T18S R13W
 $\frac{1}{2}$
 S 9|S10
 1959

Raise a mound of stone, 3 ft. base, $2\frac{1}{2}$ ft. high, W. of cor.

53.10 Graded road, bears NE. and SW.

65.40 Wash, 60 lks. wide, 1 ft. deep, drains E.

80.00 Point for the cor. of secs. 3, 4, 9 and 10.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap mkd.

T18S R13W
 S 4|S 3
 S 9|S10
 1959

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

Land, rolling.

Soil, sandy loam and light clay.

Undergrowth, scattered sagebrush and shadscale.

Timber, none.

Portion of Subdivision, T. 18 S. R. 13 W.

Chains

N. 0° 01' E., bet. secs. 3 and 4.

Over rolling desert land.

4.40 Wash, 30 lks. wide, 2 ft. deep, drains SE.

38.90 Wash, 10 lks. wide, 1 ft. deep, drains E.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 3 and 4.Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the hole with brass cap mkd.

T18S R13W

 $\frac{1}{4}$ S 4 $\frac{1}{2}$ S 3

1959

Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.

51.50 Wash, 30 lks. wide, 3 ft. deep, drains S. 70° E.

79.50 Wash, 20 lks. wide, 1 ft. deep, drains E.

79.85 The cor. of secs. 3 and 4 on the N. bdy. of the Tp.

Land, rolling.

Soil, sandy loam and light clay.

Undergrowth, scattered sagebrush and shadscale.

Timber, none.

From the cor. of secs. 2 and 3, on the N. bdy. of the Tp.

S. 0° 01' E., bet. secs. 2 and 3.

Over rolling desert land draining E.

6.20 Wash, 30 lks. wide, 2 ft. deep, drains E.

37.10 Wash, 40 lks. wide, 2 ft. deep, drains S. 70° E.

39.90 Point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 3.Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 12 ins. in the hole and in a mound of stone to top, 4 ft. base, with brass cap mkd.

T18S R13W

 $\frac{1}{4}$ S 3 $\frac{1}{2}$ S 2

1959

49.80 Wash, 30 lks. wide, 2 ft. deep, drains S. 60° E.

54.20 Graded road, bears SW. and NE.

64.80 Wash, 20 lks. wide, 2 ft. deep, drains E.; asc. 100 ft. over N. sl

78.00 Top of ascent, bears NE. and SW.; desc. 40 ft. over SE. slope.

79.90 Point for the cor. of secs. 2, 3, 10 and 11 at a dist. calculated to intersect a theoretical parallel connecting the cor. of secs. 1, 6, 7 and 12 on the E. bdy., and the cor. of secs. 3, 4, 9 and 10.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the hole to bedrock, and in a mound of stone to top, 4 ft. base, with brass cap mkd.

Survey, Portion of Subdivision, T. 18 S., R. 13 W.

Chains

T18S R13W

S 3 | S 2

S10 | S11

1959

Land, rolling.
Soil, sandy loam, gravel, clay and exposed limestone.
Undergrowth, scattered sagebrush and shadscale.
Timber, none.

N. 89° 56' E., bet. secs. 2 and 11, on a theoretical parallel connecting the corner of sections 1 and 12 on the E. bdy. and the cor. of secs. 3, 4, 9 and 10.

Over rolling hills; asc. 90 ft. over SW. slope.

21.20 Top of ascent, bears NE. and SW.; desc. 100 ft. over E. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 11.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 10 ins. in the ground, and in a mound of stone to top, 4 ft. base, with brass cap mkd.

T18S R13W

 $\frac{1}{4}$ S 2

S11

1959

Desc. 130 ft. over rolling E. slope.

80.00 Point for the cor. of secs. 1, 2, 11 and 12.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap mkd.

T18S R13W

S 2 | S 1

S11 | S12

1959

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

Land, rolling.
Soil, light clay, gravel and limestone outcroppings.
Undergrowth, scattered sagebrush and shadscale.
Timber, none.

N, 0° 02' W., bet. secs. 1 and 2.

Over rolling desert land, draining E.

1.10 Wash, 20 lks. wide, 2 ft. deep, drains S. 70° E.

14.20 Wash, 20 lks. wide, 2 ft. deep, drains E.

28.00 Wash, 40 lks. wide, 2 ft. deep, drains S. 60° E.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 1 and 2.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap mkd.

Portion of T. 18 S. R. 13 W.

Chains

T18S R13W

 $\frac{1}{2}$
 S 2 | S 1
 1959

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

42.80 Graded road, bears N. 70° E. and S. 70° W.

71.00 Trail road, bears S. 60° E. and N. 60° W.

79.92 The cor. of secs. 1 and 2 on the N. bdy. of the Tp.

Land, rolling.
 Soil, sandy loam, light clay and gravel.
 Undergrowth, scattered sagebrush and shadscale.
 Timber, none.

From the cor. of secs. 15, 16, 21 and 22.

N. 89° 59' W.; bet. secs. 16 and 21.

Over broken land; asc. 300 ft. over NE. slope.

34.00 Small spur, slopes SE.; desc. 20 ft. over SW. slope.

38.00 Wash, 30 lks. wide, 2 ft. deep, drains SE.; asc. 10 ft.

40.00 Point for the $\frac{1}{2}$ sec. cor. of secs. 16 and 21.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 15 ins. in the
 and in a mound of stone to top, 3 ft. base, with brass cap mkd.

T18S R13W

 $\frac{1}{2}$
 S16
 S21
 1959

Asc. 60 ft. over NE. slope.

44.40 Spur, slopes SE.; desc. 20 ft. over SW. slope.

55.90 Wash, 20 lks. wide, 2 ft. deep, drains SE.; asc. 140 ft. over E.s

66.70 Top of ascent, bears NW. and SE.; desc. 50 ft. over SW. slope.

80.00 Point for the cor. of secs. 16, 17, 20 and 21.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 4 ins. in the
 to bedrock, and in a mound of stone to top, 4 ft. base, with brass
 cap mkd.

T18S R13W

 $\frac{1}{2}$
 S17 | S16
 S20 | S21
 1959

Land, broken.
 Soil, shallow clay and exposed limestone.
 Undergrowth, scattered sagebrush and shadscale.
 Timber, none.

Survey, Portion of Subdivision, T. 18 S., R. 13 W.

Chains	
	N. 0° 02' W., bet. secs. 16 and 17.
	Over broken land; asc. 70 ft. over SW. slope.
11.40	Top of ascent, bears SE. and NW.; desc. 480 ft. over abrupt NE. slope.
29.00	Base of descent, bears N. 60° W. and S. 60° E.; desc. over gradual N. slope.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 16 and 17.
	Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap mkd.
	T18S R13W S17 S16 1959
	Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
	Desc. gradual N. slope.
64.70	Wash, 20 lks. wide, 2 ft. deep, drains N. 70° E.
78.70	Wash, 50 lks. wide, 3 ft. deep, drains N. 70° E.
79.40	Point selected for the witness cor. of secs. 8, 9, 16 and 17.
	Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 12 ins. in the ground, and in a mound of stone to top, 3 $\frac{1}{2}$ ft. base, with brass cap mkd.
	T18S R13W W C S 8 S 9 S17 S16 1959
80.00	Point for the cor. of secs. 8, 9, 16 and 17 falls in a wash, drains E.
	Land, south 30 chs. broken; north 50 chs. rolling. Soil, sandy loam, clay and exposed limestone. Undergrowth, scattered sagebrush and shadscale. Timber, none.
	From the cor. of secs. 9, 10, 15 and 16.
	N. 89° 58' W., bet. secs. 9 and 16.
	Over rolling land; asc. gradual E. slope.
31.80	Wash, 20 lks. wide, 2 ft. deep, drains S. 70° E.
40.015	Point for the $\frac{1}{4}$ sec. cor. of secs. 9 and 16.
	Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 16 ins. in the ground, and in a mound of stone to top, 3 ft. base, with brass cap mkd.
	T18S R13W S16 S21 1959
	Asc. gradual E. slope.
80.03	The true point for the cor. of secs. 8, 9, 16 and 17.

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Portion of the Table. Table W.

Chains	
	Land, rolling. Soil, gravel and sandy loam. Undergrowth, scattered sagebrush and shadscale. Timber, none.
	From the cor. of secs. 4, 5, 32 and 33 on the S. bdy. of the Tp., an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the field notes of T. 19 S., R. 13 W.
	N. 02°02' W., bet. secs. 32 and 33
	Over broken land; desc. 260 ft. over N. slope.
14.80	Wash, 30 lks. wide, 2 ft. deep, drains NE.; asc. 310 ft. over broken SE. slope.
36.50	Spur, slopes steeply NE.; desc. 120 ft. over broken N. slope.
40.00	Point for the ¼ sec. cor. of secs. 32 and 33. Set an iron post, 30 ins. long, 2½ ins. diam., 16 ins. in the and in a mound of stone to top, 3 ft. base, with brass cap mkd.
	T18S R13W S32 S33 1959
	Desc. 140 ft. over N. slope.
47.70	Wash, 40 lks. wide, 2 ft. deep, drains E.; asc. 90 ft. over SE. slope.
60.10	Spur, slopes E.; desc. 150 ft. over N. slope.
74.80	Wash, 40 lks. wide, 2 ft. deep, drains N.; asc. 40 ft. along E. slope.
80.00	Point for the cor. of secs. 28, 29, 32 and 33. Set an iron post, 30 ins. long, 2½ ins. diam., 15 ins. in the and in a mound of stone to top, 3 ft. base, with brass cap mkd.
	T18S R13W S29 S28 S32 S33 1959
	Land, broken. Soil, clay and exposed limestone. Timber, scattered juniper and pinon.
	From the cor. of secs. 5, 6, 31 and 32 on the S. bdy. of the Tp., an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the field notes of T. 19 S., R. 13 W.
	N. 02°03' W., bet. secs. 31 and 32
	Over broken land; desc. 140 ft. over NW. slope.
8.00	Wash, 20 lks. wide, 2 ft. deep, drains NW.; asc. 80 ft. over SW. slope.
21.80	Top of ascent, bears NW. and SE.; desc. 360 ft. over steep and NE. slope.

Survey, Position of Subdivision, T. 18 S., R. 13 W.

Chains

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 31 and 32.Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 12 ins. in the ground, and in a mound of stone to top, 4 ft. base, with brass cap mkd.

T18S R13W

S31|S32

1959

By triangulation, desc. 360 ft. over broken NE. slope.

67.00 Wash, drains NE.; asc. 120 ft. over SE. slope.

80.00 Point for the cor. of secs. 29, 30, 31 and 32.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 8 ins. in the ground, and in a mound of stone to top, 4 ft. base, with brass cap mkd.

T18S R13W

S30|S29

S31|S32

1959

Land, broken.

Soil, clay and exposed limestone.

Timber, medium dense juniper and pinon.

From the cor. of secs. 28, 29, 32 and 33.

N. $89^{\circ} 58'$ W., bet. secs. 29 and 32.

Over broken land; asc. 120 ft. over SE. slope.

7.60 Spur, slopes NE.; desc. 160 ft. over NW. slope.

14.70 Wash, 20 lks. wide, 2 ft. deep, drains N. 30° E.; asc. 120 ft. over E. slope.

21.70 Spur, slopes NE.; desc. 80 ft. over NW. slope.

36.45 Wash, 20 lks. wide, 2 ft. deep, drains N. 70° E.; asc. 70 ft. over SE. slope.40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 29 and 32.Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground, and in a mound of stone to top, 4 ft. base, with brass cap mkd.

T18S R13W

 $\frac{1}{4}$ S29

S32

1959

Asc. 480 ft. over broken SE. slope.

80.00 The cor. of secs. 29, 30, 31 and 32.

Land, broken.

Soil, shallow clay and exposed limestone.

Timber, medium dense juniper and pinon.

18-11-1918 10-11-1918 10-11-1918 10-11-1918

Chains

00.00

General Description

The terrain within the township varies from rolling desert valley land to the broken eastern slopes of the House Mountain Range, which is located in the west portion of the township. The elevation varies from 5,400 feet above sea level in the valley to 7,800 feet above sea level on the higher mountains. The soil is made up of sand, gravel and light clay in the valley, and clay and exposed limestone surfaces on the mountains.

There are growths of scrub juniper and pinon on the higher portions of the township.

Principal use of the township is for winter grazing for sheep. There is no source of water in the township. There is no habitat.

No mineral formations were noted during the survey.

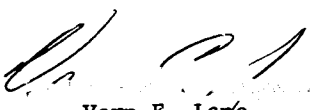
CERTIFICATE OF CADASTRAL ENGINEER

I, Vern E. Lane, HEREBY CERTIFY upon honor that,
pursuance of special instructions bearing date of the 3rd day of August, 1960,
I have ~~surveyed~~ supervised the dependent resurvey of the east boundary, and survey
the north boundary and a portion of the subdivision of T. 18 S., R. 13 W.

of the Salt Lake Meridian, in the State of Utah, which
under my supervision
represented in the foregoing field notes as having been executed ~~by me and under my direction~~, and
said survey has been made in strict conformity with said instructions, the Manual of Instructions for
Survey of the Public Lands of the United States, and in the specific manner described in the
field notes.

March 2, 1960

Salt Lake City, Utah


Vern E. Lane
Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,
Washington, D. C., DEC 9 1960, 1960

The foregoing field notes of the ~~survey of the~~ dependent resurvey of the east boundary
survey of the north boundary and a portion of the subdivision of T. 18 S., R. 13
Salt Lake Meridian, Utah

executed by Eldon W. Sibley, Cartographer under the supervision of
Vern E. Lane, Cadastral Surveyor
having been critically examined and found correct, are hereby approved.


Cadastral Engineering Staff Officer

CERTIFICATE OF TRANSCRIPT

_____, is a true copy of the original field notes.

Cadastral Engineering Staff Officer

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

383

ORIGINAL

FIELD NOTES

OF THE SURVEY OF

THE EAST AND NORTH BOUNDARIES

AND A PORTION OF THE SUBDIVISION

OF

TOWNSHIP 18 SOUTH, RANGE 14 WEST

Of the Salt Lake Meridian,

in the State of Utah

EXECUTED BY

Lacel E. Bland, Cadastral Surveyor

Eldon W. Sibley, Cartographic Survey Aid

Vern E. Lane, Cadastral Surveyor (Chief of Party)

Under special instructions dated August 3, 1936, which provided
and supplemental special instructions dated June 28, 1954

for the surveys included under Group No. 272, approved September 16, 1936
July 15, 1954

and assignment instructions dated May 1, 1959

Survey commenced July 14, 1959

Survey completed October 16, 1959

INDEX DIAGRAM

Township 18 South, Range 14 West

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SPG 886119

_____ Eldon W. Sibley
 _____ Lucel E. Bland

Township 18 South, Range 14 West

Chains

The west boundary was surveyed by A. J. Stewart Jr. in 1884 and independently resurveyed concurrently and is described in the field notes of T. 18 S., R. 15 W. The south boundary was surveyed concurrently and is described in the field notes of T. 19 S., R. 14 W.

The following field notes are those of the survey of the east and north boundaries and a portion of the subdivision of T. 18 S., R. 14 W. deemed sufficient to facilitate the development of the natural resources and mark the boundaries of those sections normally considered State school sections.

The survey was executed with W. & L. E. Gurley solar transits Nos. 491037 and 580515, constructed in accordance with the standard instrumental specifications of the Bureau of Land Management. The instrument was in good condition prior to the beginning of the survey and was maintained in proper adjustment throughout the progress of the survey.

Corners on east-west lines were set on the true latitudinal curve. Lines connecting previously established corners were run by random and true method, but for simplification of the record the random lines are omitted from the field notes. In accordance with the intent of the special instructions, all subdivisional corners established are calculated to be at the position they would occupy if the entire township were subdivided.

Measurements herein contained were made with a narrow steel tape, 8 chains in length, graduated every link for the first 100 links and thereafter at intervals of 10 links. The tape was tested by comparison with a 1 chain standard steel tape and found to be correct. Measurements were made on the slope with the vertical angle of each interval ascertained by a clinometer in good adjustment; horizontal equivalents alone are entered in the field notes. All lines of this survey were run by direct method where the lines were accessible; lines inaccessible were run by traverse or triangulation methods. Distances to topography on lines run by traverse or triangulation are approximately as scaled from U. S. G. S. topographic sheets where available. The details of such traverses or triangulations have been thoroughly checked and verified, and in order to simplify the record the diagrams and reductions are omitted from these field notes.

The direction of the lines of this survey were determined by reference to true meridians established on line by hour angle observations on Polaris or altitude observations on the sun. The lines were carried forward by sustained angulation being supplemented by other numerous altitude observations on the sun taken throughout the progress of the survey.

The geographic position for the southeast corner of the township is at latitude $39^{\circ} 11' 33.3''$ N. and longitude $113^{\circ} 21' 43.4''$ W. as adjusted from traverses along section lines between U. S. C. & G. S. station "Forks" and U. S. G. S. station "Water Tank" located near crossroads at Painted Springs.

The magnetic declination was read at a number of stations throughout the township and the average of these readings was found to be $16^{\circ} 30'$ East.

Survey of the East Boundary of T. 18 S., R. 14 W.

Beginning at the cor. of Tps. 18 and 19 S., Rs. 13 and 14 W., an iron post, $2\frac{1}{2}$ ins. diam., set, mkd. and witnessed as described in the field notes of T. 19 S., R. 14 W.

North, bet. sets. 31 and 36.

Survey of the East Boundary of T. 18 S., R. 14 W.

Chains	
	Over rolling land, through dense timber; asc. 70 ft. over rolling S. slope.
21.20	Top of ascent, bears W. and N.; desc. 100 ft. along broken W. slope.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 31 and 36. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 10 ins. in the ground in a mound of stone to top, 3 ft. base, with brass cap mkd. <div style="text-align: center;"> T18S R14W R13W $\frac{1}{4}$ S36 S31 1959 </div>
	By triangulation, desc. 120 ft. along W. slope.
47.00	Slope changes to N.; desc. 480 ft.
80.00	Point for the cor. of secs. 25, 30, 31 and 36. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the ground with brass cap mkd. <div style="text-align: center;"> T18S R14W R13W S25 S30 S36 S31 1959 </div>
	Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, W. of cor. Land, rolling S. 20 chs., broken N. 60 chs. Soil, shallow clay and limestone outcroppings. Timber, dense juniper and pinion.
	North, bet. secs. 25 and 30. Over broken land; desc. 60 ft. over N. slope.
1.20	Unimproved road, bears NE. and SW.
5.50	Wash, 30 lks. wide, 2 ft. deep, drains NE.; desc. 40 ft. over N. slope.
15.00	Wash, 20 lks. wide, 2 ft. deep, drains E.; asc. 480 ft. over steep slope.
37.00	Top of ascent, bears NW. and SE.; desc. 80 ft. over NE. slope.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 25 and 30. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the ground with brass cap mkd. <div style="text-align: center;"> T18S R14W R13W $\frac{1}{4}$ S25 S30 1959 </div>
	Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, W. of cor. Desc. 250 ft. over steep NE. slope.
56.20	Small wash, drains NE.; asc. 30 ft. over S. slope.

Survey of the East Boundary of T. 18 S., R. 14 W.

Chains

67.90 Top of ascent, bears NE. and SW.; desc. 190 ft. over NW. slope.

78.40 Wash, 30 lks. wide, 1 ft. deep, drains S. 60° E.; asc. 30 ft..

80.00 Point for the cor. of secs. 19, 24, 25 and 30.

Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.

T18S

R14W R13W

S24 S19

S25 S30

1959

Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor.

Land, broken.

Soil, shallow clay and limestone outcroppings.

Timber, scattered juniper and pinion.

North, bet. secs. 19 and 24.

Over broken land; asc. 300 ft. over S. slope.

23.30 Top of ascent, bears E. and W.; desc. 50 ft. over N. slope.

28.40 Wash, 150 lks. wide, 1 ft. deep, drains E.; asc. 150 ft. over S. slope.

40.00 Point for the ½ sec. cor. of secs. 19 and 24.

Set an iron post, 30 ins. long, 2½ ins. diam., 15 ins. in the ground, in a mound of stone to top, 3 ft. base, with brass cap mkd.

T18S

R14W R13W

½

S24 S19

1959

Asc. 30 ft. over S. slope.

42.90 Spur, slopes E.; desc. 100 ft. over N. slope.

52.00 Wash, 10 lks. wide, 1 ft. deep, drains E.; asc. 220 ft. over S. slope.

80.00 Point for the cor. of secs. 13, 18, 19 and 24.

Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground, in a mound of stone, 3½ ft. base to top, with brass cap mkd.

T18S

R14W R13W

S13 S18

S24 S19

1959

Land, broken.

Soil, shallow clay and limestone outcroppings.

Timber, scattered juniper and pinion.

North, bet. secs. 13 and 18.

of East	
Chains	
	Over broken land; asc. 200 ft.
.80	Small spur, slopes E.; desc. 50 ft. over N. slope.
5.10	Wash, 20 lks. wide, 2 ft. deep, drains N. 70° E.; asc. 40 ft. over S slope.
15.50	Top of ascent, bears N. 10° E. and S. 10° W.; desc. 280 ft. along broken W. slope.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 13 and 18. Set an iron post, 30 ins. long, 2½ ins. diam., 15 ins. in the ground in a mound of stone, 3½ ft. base to top, with brass cap mkd. T185 R14W R13W $\frac{1}{4}$ S13 S18 1959 Desc. 630 ft. over broken W. slope.
80.00	Point for the cor. of secs. 7, 12, 13 and 18. Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground, in a mound of stone, 3½ ft. base to top, with brass cap mkd. T185 R14W R13W S12 S 7 S13 S18 1959 Land, broken. Soil, shallow clay and exposed limestone. Timber, scattered scrub juniper. Undergrowth, scattered sagebrush. North, bet. secs. 7 and 12. Over broken land; desc. 160 ft. over foothills draining W.
16.00	Base of descent, bears NE. and SW.; desc. gradual N. slope.
19.10	Improved road, bears E. and W.; asc. gradual S. slope.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 7 and 12. Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground in a mound of stone, 4 ft. base to top, with brass cap mkd. T185 R14W R13W $\frac{1}{4}$ S12 S 7 1959 Asc. 220 ft. over rolling S. slope.
64.20	Spur, slopes E.; desc. 70 ft. over N. slope.
80.00	Point for the cor. of secs. 1, 6, 7 and 12. Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.

Independent Resurvey of the East Boundary of T. 18 S., R. 14 W.

Chains	
	<p align="center"> T18S R14W R13W S1 S6 S12 S 7 1959 </p>
	<p>Raise a mound of stone, 13 ft. base, 2 ft. high, W. of cor. Land, broken. Soil, sandy loam, shallow clay and limestone outcroppings. Timber, scattered juniper and pinion. Undergrowth, scattered sagebrush and shadscale.</p>
	<p>North, bet. secs. 1 and 6.</p> <p>Over rolling land; desc.</p>
.40	Wash, 20 lks. wide, 2 ft. deep, drains SE.; asc. 120 ft. over SW. slope.
26.00	Top of ascent, bears SE. and NW.; desc. 20 ft.
33.90	Wash, 30 lks. wide, 2 ft. deep, drains SE.; asc. 60 ft. over S. slope.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 1 and 6.
	<p>Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground, in a mound of stone, 3½ ft. base to top, with brass cap mkd.</p> <p align="center"> T18S R14W R13W $\frac{1}{4}$ S1 S6 1959 </p>
	Asc. 590 ft. over broken S. slope.
80.00	Point for the cor. of Tps. 17 and 18 S., Rs. 13 and 14 W.
	<p>Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground, in a mound of stone, 4 ft. base to top, with brass cap mkd.</p> <p align="center"> T17S R14W R13W S36 S31 S1 S6 T18S 1959 </p>
	<p>Land, S. ½ mile rolling, N. ½ miles broken. Soil, sandy loam, clay and limestone outcroppings. Timber, scattered juniper and pinion. Undergrowth, scattered sagebrush and shadscale.</p>
	Survey of the North Boundary of T. 18 S., R. 14 W.
	<p>From the cor. of Tps. 17 and 18 S., Rs. 13 and 14 W., heretofore described.</p> <p>West, bet. secs. 1 and 36.</p> <p>Over mountainous land, through medium dense timber; asc. 300 ft. over steep SE. slope.</p>
13.90	Thence along ledgy S. slope; asc. 40 ft.

Survey of the North of 1959

Chains	
19.40	Top of ascent on ledgy S. slope; desc. 350 ft. over steep SW. slope.
31.20	Ravine, drains S. 10° E.; asc. 150 ft. over steep SE. slope.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 1 and 36. Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to bedrock, in a mound of stone, 4 ft. base to top, with brass cap mkd. T17S R14W S36 S 1 T18S 1959
	Asc. 10 ft. over SE. slope.
41.10	Slope changes; thence along S. slope.
50.00	Slope changes; desc. 40 ft. over SW. slope.
53.90	Head of ravine, drains S.; asc. 310 ft. over steep SE. slope.
74.80	Ridge, bears SW. and NE.; desc. 65 ft. over NW. slope.
80.00	Point for the cor. of secs. 1, 2, 35 and 36. Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd. T17S R14W S35 S36 S2 S1 T18S 1959
	Raise a mound of stone, 2 ft. base, 2 ft. high, W. of cor.
	Land, broken. Soil, clay, sandy loam and limestone outcropping. Timber, medium dense juniper and pinion.
	West, bet. secs. 2 and 35. Over broken mountainous land, through medium dense timber; desc. 19 ft. over NW. slope.
21.60	Wash, 10 lks. wide, 2 ft. deep, drains S. 20° W.; thence over roll S. slope.
24.00	Begin ascent over steep E. slope; asc. 290 ft.
37.00	Spur, bears S.; desc. 20 ft. along S. slope.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 35. Set an iron post, 30 ins. long, 2½ ins. diam., 2 ins. in the ground to bedrock, in a mound of stone, 3½ ft. base to top, with brass cap mkd. T17S R14W S35 S 2 T18S 1959

Survey of the North Boundary of T. 18 S., R. 14 W.

Chains	
	T17S R14W. S35 S34 T18S 1959
	Asc. 30 ft. over SE slope.
42.50	Top of ascent, bears N. 30° E. and S.; by triangulation, desc. about 550 ft. over nearly vertical ledges facing W. to the witness cor. of secs. 2, 3, 34 and 35.
80.00	True point for the cor. of secs. 2, 3, 34 and 35 falls on nearly vertical ledge, about 300 ft. high, where cor. cannot be perpetuated. Land, badly broken mountainous. Soil, clay, sandy loam and limestone ledges. Timber, medium dense juniper and pinion.
	West, bet. secs. 3 and 34. Over broken mountainous land, through scattered juniper and pinion.
1.70	Base of nearly vertical ledge, about 300 ft. high, bears N. and S.
1.75	End of triangulation; point selected for the witness cor. of secs. 2, 3, 34 and 35. Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground to bedrock, in a mound of stone to top, 4 ft. base, with brass cap mkd. T17S R14W S34 S35 S3 S2 → WC T18S 1959
	Desc. 850 ft. over steep SW. slope.
40.00	Point for the ½ sec. cor. of secs. 3 and 34. Set an iron post, 30 ins. long, 2½ ins. diam., 3 ins. in the ground to bedrock, in a mound of stone, 3½ ft. base to top, with brass cap mkd. T17S R14W S34 S 3 T18S 1959
40.60	Small wash, drains SW.; desc. 70 ft. over SW. slope.
46.50	Spur, bears S. 20° W.; desc. 60 ft. over W. slope.
49.30	Ravine, drains S. 30° W.; asc. 25 ft. over SE. slope.
51.70	Spur, bears SW.; desc. 400 ft. over steep and ledgy SW. slope.
59.80	Wash, 10 lks. wide, 2 ft. deep, drains S. 30° W.; asc. 250 ft. over nearly vertical ledge facing E.
61.80	Top of ascent on S. slope; desc. 280 ft. over steep W. slope.
72.90	Wash, 30 lks. wide, 2 ft. deep, drains NW.; desc. 60 ft. over W. slope.

392

Chains
80.00

Point for the cor. of secs. 3, 4, 33 and 34.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground with brass cap mkd.

T17S R14W

S33 | S34

S4 | S3

T18S

1959

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

Land, broken mountainous.

Soil, clay, sandy loam and exposed limestone.

Timber, scattered juniper and pinion.

West, bet. secs. 4 and 33.

Over rolling land draining W.; desc. 250 ft.

29.10 Small wash, drains N. 60° W.; desc. 60 ft. over rolling W. slope.

38.70 Small wash, drains N. 70° W.

40.00 Point for the ¼ sec. cor. of secs. 4 and 33.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground with brass cap mkd.

T17S R14W

¼ S33

S 4

T18S

1959

Raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.

Desc. 60 ft. over rolling W. slope.

54.60 Small wash, drains N. 30° W.; desc. 10 ft. over gently rolling NW. slope.

62.50 Small wash, drains NW.; desc. 10 ft. over gently rolling NW. slope.

71.50 Small wash, drains NW.

72.90 Graded road, bears SW. and NE.; desc. 10 ft. over gently rolling NW. slope.

80.00 Point for the cor. of secs. 4, 5, 32 and 33.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground with brass cap mkd.

T17S R14W

S32 | S33

S5 | S4

T18S

1959

Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor.

Land, rolling to gently rolling.

Soil, clay, sandy loam and rocky.

Timber, none.

Survey of the North Boundary of T. 18 S., R. 14 W.

Chains	
	West, bet. secs. 5 and 32. Over nearly level desert valley.
40.00	Point for the $\frac{1}{2}$ sec. cor. of secs. 5 and 32. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd. <div>T17S R14W $\frac{1}{2}$ $\frac{S32}{S5}$ T18S 1959</div> Raise a mound of stone, 2 ft. base, 2 ft. high, N. of cor. Cont. over nearly level land.
80.00	Point for the cor. of secs. 5, 6, 31 and 32. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd. <div>T17S R14W $\frac{S31}{S6} \frac{S32}{S5}$ T18S 1959</div> Raise a mound of stone, 2 ft. base, 2 ft. high, W. of cor. Land, nearly level desert valley. Soil, sandy and alkali. Timber, none.
	West, bet. secs. 6 and 31. Over nearly level desert valley.
40.00	Point for the $\frac{1}{2}$ sec. cor. of secs. 6 and 31. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd. <div>T17S R14W $\frac{1}{2}$ $\frac{S31}{S6}$ T18S 1959</div> Raise a mound of stone, 2 ft. base, 2 ft. high, N. of cor. Cont. over nearly level land.
77.36	The cor. of Tps. 17 and 18 S., Rs. 14 and 15 W., an iron post, $2\frac{1}{2}$ ins. diam., set, mkd. and witnessed as described in the field notes of the survey of T. 18 S., R. 15 W. Land, nearly level desert valley. Soil, sandy and alkali. Timber, none.

Survey of a Portion of Subdivision T. 18 S. R. 14 W.

Chains

From the cor. of secs. 1, 2, 35 and 36, on the S. bdy. of the Tp., an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the field notes of the survey of T. 19 S., R. 14 W.

N. 0° 01' W., bet. secs. 35 and 36.

Over mountainous land, through medium dense timber; asc. 10 ft. SE. slope.

4.20 Mining road, bears S. 10° E. and NW.; asc. 60 ft. over SE. slope.

10.80 Same road, bears S. 30° W. and N. 30° E.; asc. 10 ft. over S. slope

13.00 Ridge, bears S. 60° E., thence along E. slope.

20.30 Begin descent over NE. slope; desc. 130 ft.

34.00 Ravine, drains SE.; asc. 200 ft. over steep S. slope.

40.00 Point for the ¼ sec. cor. of secs. 35 and 36.

Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the to bedrock, in a mound of stone, 3½ ft. base to top, with brass cap mkd.

T18S R14W

½
S35|S36
1959

Asc. 210 ft. over steep S. slope.

47.10 Ridge, bears E.; desc. 210 ft. over N. slope.

55.70 Ravine, drains N. 70° E.; thence along E. slope.

65.60 Spur, bears N. 20° E.; desc. 40 ft. over NW. slope.

70.00 Desc. 230 ft. over steeper NW. slope.

80.00 Point for the cor. of secs. 25, 26, 35 and 36.

Set an iron post, 30 ins. long, 2½ ins. diam., 18 ins. in the in a mound of stone to top, 3 ft. base, with brass cap mkd.

T18S R14W

S26|S25
S35|S36
1959

Land, broken mountainous.

Soil, clay, sandy loam and exposed limestone.

Timber, medium dense juniper and pinion.

From the cor. of secs. 25, 30, 31 and 36, on the E. bdy. of the Tp. an iron post, 2½ ins. diam., heretofore described.

S. 89° 56' W., bet. secs. 25 and 36.

Over mountainous land, through medium dense timber; desc. 30 ft. steep NW. slope.

2.70 Graded road, bears NE. and SW.

5.80 Wash in canyon, 30 lks. wide, 3 ft. deep, drains NE.; asc. 430 ft. over steep E. slope on top of spur.

325

Survey of a Portion of the Subdivision of T. 18 S., R. 14 W.

Chains	
34.60	Slope changes; desc. 20 ft. along S. slope of spur.
39.95	Point for the $\frac{1}{4}$ sec. cor. of secs. 25 and 36. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 8 ins. in the ground to bedrock, in a mound of stone, $3\frac{1}{2}$ ft. base to top, with brass cap mkd. T18S R14W * $\frac{825}{836}$ 1959 Asc. 350 ft. over steep SE. slope.
71.60	Spur, bears NE.; desc. 10 ft. along N. slope.
79.89	The cor. of secs. 25, 26, 35 and 36. Land, broken mountainous. Soil, clay, sandy loam and exposed limestone. Timber, medium dense pinion and juniper.
	From the cor. of secs. 4, 5, 32 and 33 on the S. bdy. of the Tp., an iron post, $2\frac{1}{2}$ ins. diam., set, mkd. and witnessed as described in the field notes of the survey of T. 19 S., R. 14 W. N. $0^{\circ} 03'$ W., bet. secs. 32 and 33. Over broken mountainous land, through scattered juniper and pinion; asc. 280 ft. over steep S. slope.
9.20	Ridge, bears S. 70° W.; desc. 40 ft. along steep and broken W. slope.
18.70	Begin descent over NW. slope; desc. 120 ft.
22.20	Ravine, drains W.; asc. 10 ft. over SW. slope.
23.70	Point, bears W.; desc. 35 ft. over NW. slope.
24.60	Ravine, drains S. 60° W.; asc. 130 ft. over steep SW. slope.
29.00	Ridge, bears W.; desc. 120 ft. over steep NW. slope.
34.40	Ravine, drains N. 80° W.; asc. 80 ft. over steep SW. slope.
37.90	Spur, bears W.; desc. 50 ft. over NW. slope.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 32 and 33. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground to bedrock, in a mound of stone, $3\frac{1}{2}$ ft. base to top, with brass cap mkd. T18S R14W * $\frac{832}{833}$ 1959 Desc. 150 ft. over steep NW. slope.
47.20	Spur, bears NW.; desc. 210 ft. over steep NE. slope.
54.60	Wash, 20 lks. wide, 2 ft. deep, drains N. 70° W.; asc. 90 ft. over SW. slope.

of a Portion of the Subdivision T. 18 S., R. 14

Chains
64.00

Spur, bears S. 70° W.

67.50

Begin descent over NW. slope; desc. 120 ft.

74.40

Wash, 10 lks. wide, 2 ft. deep, drains S. 70° W.; asc. 210 ft. over steep S. slope.

80.00

Point for the cor. of secs. 28, 29, 32 and 33.

Set an iron post, 30 ins. long, 2½ ins. diam., 3 ins. in the ground to bedrock, in a mound of stone, 4 ft. base to top, with brass cap mkd.

T18S R14W

S29|S28S32|S33

1959

Land, broken mountainous.

Soil, clay, sandy loam and exposed limestone.

Timber, scattered juniper and pinion.

N. 0° 03' W., bet. secs. 28 and 29.

Over broken mountainous land, through scattered timber; asc. 60 ft. over steep S. slope.

1.00

Spur, bears SW.; asc. 190 ft. over steep and broken SW. slope.

12.70

Ridge, bears NW.; desc. 140 ft. over steep N. slope.

22.00

Slope changes to steep NW. slope; desc. 370 ft.

36.60

Base of steep descent, bears E. and W.; thence over rolling W. slope.

37.60

Wash, 20 lks. wide, 2 ft. deep, drains W.

40.00

Point for the ¼ sec. cor. of secs. 28 and 29.

Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to bedrock, in a mound of stone, 4½ ft. base to top, with brass cap mkd.

T18S R14W

S29|S28

1959

Desc. 20 ft. along rolling W. slope.

46.40

Wash, 20 lks. wide, 3 ft. deep, drains W.; desc. 70 ft. over rolling NW. slope.

61.30

Wash, 10 lks. wide, 2 ft. deep, drains N. 60° W.

66.00

Small wash, drains W.; desc. 110 ft. over rolling NW. slope.

80.00

Point for the cor. of secs. 20, 21, 28 and 29.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground with brass cap mkd.

T18S R14W

S20|S21S29|S28

1959

Survey of a Portion of the Subdivision of T. 18 S., R. 14 W.

Chains

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

Land, broken S. $\frac{1}{4}$, rolling N. $\frac{1}{4}$.

Soil, clay, sandy loam and exposed limestone.

Timber, scattered juniper S. $\frac{1}{4}$, none N. $\frac{1}{4}$.

N. 0° 03' W., bet. secs. 20 and 21.

Over rolling land draining NW.

.20 Wash, 10 lks. wide, 3 ft. deep, drains N. 60° W.; desc. 70 ft. over rolling NW. slope.

10.70 Wash, 10 lks. wide, 3 ft. deep, drains N. 60° W.; asc. 30 ft. over SW. slope.

12.50 Top of ascent on W. slope; desc. 160 ft. over rolling NW. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 20 and 21.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T18S R14W

$\frac{1}{4}$
S20|S21
1959

Raise a mound of stone, 2 $\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.

Desc. 20 ft. over rolling NW. slope.

44.50 Wash, 20 lks. wide, 2 ft. deep, drains N. 60° W.; desc. 30 ft. over rolling NW. slope.

58.50 Enter trail road, bears S. 20° E. and N.

61.30 Leave trail road, bears S. and NE.; wash, 20 lks. wide, 2 ft. deep, drains N. 60° W.; desc. 70 ft. over rolling NW. slope.

79.70 Wash, 20 lks. wide, 3 ft. deep, drains N. 60° W.

80.00 Point for the cor. of secs. 16, 17, 20 and 21.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T18S R14W

$\frac{1}{4}$
S17|S16
S20|S21
1959

Raise a mound of stone, 2 $\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.

Land, rolling, draining NW.

Soil, clay, sandy loam and rocky.

Timber, none.

N. 0° 03' W., bet. secs. 16 and 17.

Over rolling land, draining W.; desc. 10 ft. along W. slope.

Survey of a Portion of the Subdivision of T18S R.14W.

Chains

- 8.30 Wash, 20 lks. wide, 3 ft. deep, drains W.; desc. 10 ft. along W. slope.
- 17.90 Wash, 10 lks. wide, 3 ft. deep, drains N. 70° W.; desc. 30 ft. along rolling W. slope.
- 35.00 Small wash, drains W.
- 35.90 Wash, 30 lks. wide, 3 ft. deep, drains N. 80° W.
- 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 16 and 17.
Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the with brass cap mkd.
- T18S R14W
S17 | S16
1959
- Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor.
Cont. over rolling W. slope.
- 54.70 Small wash, drains W.
- 70.20 Small wash, drains NW.
- 78.60 Small wash, drains NW.
- 80.00 Point for the cor. of secs. 8, 9, 16 and 17.
Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the gr. with brass cap mkd.
- T18S R14W
S8 | S9
S17 | S16
1959
- Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor.
Land, rolling, draining W.
Soil, clay, sandy loam and gravelly.
Timber, none.
- N. 0° 03' W. bet. secs. 8 and 9.
Over rolling land draining NW.
- .70 Graded gravel road, bears S. 70° E. and N. 70° W.
- 2.10 Small wash, drains N. 70° W.
- 6.80 Small wash, drains W.; desc. 15 ft. over rolling NW. slope.
- 15.20 Small wash, drains N. 60° W.; desc. 10 ft. over rolling NW. slope.
- 23.30 Wash, 60 lks. wide, 2 ft. deep, drains N. 60° W.; desc. 30 ft. over rolling NW. slope.
- 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 8 and 9.
Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the with brass cap mkd.

Survey of a Portion of the Subdivision of T. 18 S., R. 14 W.

Chains

T18S R14W

S8|S9

1959

Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.

Desc. 10 ft. over rolling NW. slope.

46.30 Small wash, drains NW.; desc. 40 ft. over rolling NW. slope.

61.50 Wash, 20 lks. wide, 2 ft. deep, drains NW.; desc. 60 ft. over rolling NW. slope.

80.00 Point for the cor. of secs. 4, 5, 8 and 9.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T18S R14W

S5|S4

S8|S9

1959

Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.

Land, rolling.

Soil, clay, sandy loam and gravelly.

Timber, none.

N. $0^{\circ} 07' E.$, bet. secs. 4 and 5.

Over rolling land draining NW.

.30 Wash, 20 lks. wide, 2 ft. deep, drains N. $30^{\circ} W.$; desc. 85 ft. over rolling NW. slope.36.80 Wash, 10 lks. wide, 3 ft. deep, drains N. $70^{\circ} W.$ 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 4 and 5.Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground to bedrock, in a mound of stone, 4 ft. base to top, with brass cap mkd.

T18S R14W

S5|S4

1959

Desc. 60 ft. over rolling NW. slope.

73.60 Graded road, bears SW. and NE.; desc. 10 ft. over rolling NW. slope.

79.87 The cor. of secs. 4, 5, 32 and 33 on the N. bdy. of the Tp., heretofore described.

Land, rolling, draining NW.

Soil, clay, sandy loam and gravelly.

Timber, none.

From the cor. of secs. 1, 2, 35 and 36, on the N. bdy. of the Tp., heretofore described.

Survey of a Portion of the Subdivision of T. 18 S., R. 14 W.

Chains

S. 0° 01' E., bet. secs. 1 and 2.

Over broken mountainous land, through medium dense timber; asc. 70 ft. over NW. slope.

4.00 Top of ascent, bears NE. and SW.; desc. 120 ft. along steep E. slope.

24.70 Spur, bears SE.; desc. 290 ft. over SW. slope.

39.40 Bottom of canyon, drains SE.; asc. 20 ft. over NE. slope.

39.97 Point for the $\frac{1}{2}$ sec. cor. of secs. 1 and 2.

Set an iron post, 30 ins. long, 2½ ins. diam., 18 ins. in the ground to bedrock, in a mound of stone, 3 ft. base to top, with brass cap mkd.

T18S R14W.

$$\begin{array}{r} \frac{1}{2} \\ S2 | S1 \\ 1959 \end{array}$$

Asc. 10 ft. over NE. slope.

44.90 Top of ascent on E. slope; desc. 160 ft. over steep SE. slope.

50.90 Bottom of same canyon, drains SW.; asc. 140 ft. over steep NW. slope.

63.00 Top of ascent, bears NE. and S.

70.10 Ridge, bears E.; desc. 20 ft. over S. slope.

75.00 Spur, bears SW.; desc. 70 ft. over S. slope.

79.97 Point for the cor. of secs. 1, 2, 11 and 12.

Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to bedrock, in a mound of stone, 4 ft. base to top, with brass cap mkd.

T18S R14W

$$\begin{array}{r} S2 | S1 \\ S11 | S12 \\ 1959 \end{array}$$

Land, broken mountainous.

Soil, clay, sandy loam and exposed limestone.

Timber, medium dense pinion and juniper.

Point for the cor. of secs. 1, 2, 11 and 12.

N. 89° 59' W., bet. secs. 2 and 11, on a theoretical parallel connecting the cor. of secs. 1, 6, 7 and 12 on the E. bdy. and the cor. of secs. 4, 5, 8 and 9, as specified in the special instructions.

Over broken mountainous land, through scattered timber; asc. 40 ft. over SE. slope.

3.80 Top of ascent on S. slope; desc. 10 ft. over SW. slope.

6.90 Begin descent over steep SW. slope; desc. 230 ft.

14.90 Wash in canyon, drains S. 30° E.; asc. 300 ft. over steep E. slope.

24.90 Top of ascent, bears N. and S.; desc. 190 ft. over SW. slope.

Survey of a Portion of the Subdivision of T. 18 S., R. 14 W.

Chains	
33.30	Ravine, drains S.; asc. 170 ft. over steep SE. slope.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 11.
	Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 2 ins. in the ground to bedrock, in a mound of stone, 4 ft. base to top, with brass cap mkd.
	T18S R14W $\frac{1}{4}$ S 2 S11 1959
	Asc. 30 ft. over steep SE. slope.
41.00	Spur, bears S.; by triangulation, topography estimated: desc. about 280 ft. over steep W. slope.
49.00	Ravine, drains S.; thence along S. slope.
60.00	Ravine, drains SE.; asc. about 370 ft. over steep NE. slope.
78.50	End of triangulation; top of ascent, bears NW. and SE.; desc. 50 ft. over SW. slope.
80.00	Point for the cor. of secs. 2, 3, 10 and 11.
	Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 2 ins. in the ground to bedrock, in a mound of stone, $3\frac{1}{2}$ ft. base to top, with brass cap mkd.
	T18S R14W S3 S2 S10 S11 1959
	Land, broken mountainous. Soil, clay, sandy loam and exposed limestone. Timber, scattered juniper and pinion.
	From the cor. of secs. 2, 3, 10 and 11.
	N. $0^{\circ} 03'$ W., bet. secs. 2 and 3.
	Over broken mountainous land, through scattered timber; asc. 25 ft. over SW. slope.
3.60	Top of ascent, bears NW. and SE.; by triangulation, topography estimated; desc. about 180 ft. over NE. slope.
32.00	Ravine, drains SW.; asc. about 150 ft. over SE. slope.
40.00	End of triangulation; point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 3.
	Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 18 ins. in the ground, in a mound of stone, 3 ft. base to top, with brass cap mkd.
	T18S R14W S3 S2 1959
	Asc. 90 ft. over SE. slope.
46.10	Spur, bears SW.; asc. 55 ft. over S. slope.
57.10	Rim, bears N. 10° E. and SW.; by traverse, along high ledge facing W.

Chains

79.85

True point for the cor. of secs. 2, 3, 34 and 35, on the N. bdy. of the Tp., from the witness cor. bears West 1.75 chs. dist., an iron post, heretofore described.

Land, badly broken mountainous.

Soil, clay, sandy loam and exposed limestone.

Timber, scattered juniper and pinion.

From the cor. of secs. 16, 17, 20 and 21.

N. $89^{\circ} 58'$ E., bet. secs. 16 and 21.

Over rolling land, draining NW.; asc. 70 ft.

15.40

Wash, 20 lks. wide, 3 ft. deep, drains N. 60° W.

17.70

Trail road, bears NE. and S. 30° W.; asc. 120 ft. over rolling NW. slope.

39.90

Small wash, drains N. 70° W.

40.00

Point for the $\frac{1}{4}$ sec. cor. of secs. 16 and 21.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground with brass cap mkd.

T18S R14W

$\frac{1}{4}$ S16

S21

1959

Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, N. of cor.

Asc. 60 ft. over rolling W. slope.

53.50

Trail road, bears N. 10° W. and S. 20° E.; asc. 80 ft. over rolling W. slope.

61.00

Base of steep ascent, bears N. and S. 20° E.; asc. 200 ft. over st. W. slope.

72.80

Base of ledges, bears N. and S.; asc. 390 ft. over nearly vertical ledges facing W.

80.00

Point for the cor. of secs. 15, 16, 21 and 22.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground with brass cap mkd.

T18S R14W

S16 | S15

S21 | S22

1959

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

Land, rolling W. $\frac{1}{4}$, broken E. $\frac{1}{4}$.

Soil, sandy loam, clay and exposed limestone.

Timber, none W. $\frac{1}{4}$, scattered juniper and pinion E. $\frac{1}{4}$.

N. $0^{\circ} 02'$ W., bet. secs. 15 and 16.

Survey of a Portion of the Subdivision of T. 18 S., R. 14 W.

Chains	Over broken land, through scattered timber; asc. 100 ft. along broken ledgy W. slope.
23.50	Top of ledge, 180 ft. high, bears S. 10° W. and N. 10° E.; desc. over ledge, thence along steep W. slope.
35.90	Top of ledge, 150 ft. high, bears E. and SW.; desc. 250 ft. over ledge and steep N. slope.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 15 and 16. Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 3 ins. in the ground to bedrock, in a mound of stone, 4 ft. base to top, with brass cap mkd. T18S R14W * S16 S15 1959 Desc. 230 ft. over steep N. slope.
47.30	Base of steep descent, bears N. 70° E. and S. 70° W.; leave timber, bears same; desc. 50 ft. over N. slope.
52.00	Graded gravel road, bears E. and W., 4.00 chs., thence N. 60° W.; desc. 10 ft. over N. slope.
55.10	Wash, 80 lks. wide, 2 ft. deep, drains N. 60° W.; asc. 70 ft. over SW. slope.
60.00	Slope changes; desc. 30 ft. along rolling W. slope.
80.00	Point for the cor. of secs. 9, 10, 15 and 16. Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.. T18S R14W S 9 S10 S16 S15 1959 Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor. Land, broken and rolling. Soil, clay, sandy loam and exposed limestone. Timber, scattered juniper S. $\frac{1}{4}$, none N. $\frac{1}{4}$.
	S. 89° 55' W., bet. secs. 9 and 16. Over rolling land draining NW.; desc. 170 ft.
22.70	Wash, 10 lks. wide, 3 ft. deep, drains N. 30° W.; desc. 20 ft. over rolling NW. slope.
28.20	Wash, 30 lks. wide, 3 ft. deep, drains N. 30° W.; desc. 20 ft. over rolling NW. slope.
35.60	Wash, 1.00 ch. wide, 2 ft. deep, drains N. 60° W.; desc. 10 ft. over rolling NW. slope.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 9 and 16. Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

404

Survey of a Portion of the Subdivision T. 19 S., R. 14 W.

Chains

T18S R14W

 $\frac{1}{2}$ S 9

S16

1959

- Raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.
- Desc. 100 ft. over rolling NW. slope.
- 74.20 Small wash, drains N. 70° W.; desc. 20 ft. over rolling NW. slope.
- 78.20 Graded gravel road, bears N. 70° W. and S. 60° E.
- 80.00 The cor. of secs. 8, 9, 16 and 17.
- Land, rolling.
Soil, sandy loam, clay and rocky.
Timber, none.

From the cor. of secs. 5, 6, 31 and 32, on the S. bdy. of the Tp.,
an iron post, 2½ ins. diam., set, mkd. and witnessed as described
in the field notes of the concurrent survey of T. 19 S., R. 14 W.

N. 0° 04' W., bet. secs. 31 and 32.

Over rolling desert land; desc. 120 ft. along rolling W. slope.

- 38.20 Wash, 10 lks. wide, 2 ft. deep, drains NW.
- 40.00 Point for the ¼ sec. cor. of secs. 31 and 32.
- Set an iron post, 30 ins. long, 2½ ins. diam., 15 ins. in the ground
to bedrock, in a mound of stone, 3 ft. base to top, with brass cap
mkd.

T18S R14W

 $\frac{1}{2}$ S31

S32

1959

- Cont. along rolling W. slope.
- 44.70 Wash, 15 lks. wide, 3 ft. deep, drains W.
- 72.00 Trail road, bears NW. and SE.
- 79.80 Wash, 20 lks. wide, 1 ft. deep, drains W.
- 80.00 Point for the cor. of secs. 29, 30, 31 and 32.
- Set an iron post, 30 ins. long, 2½ ins. diam., 17 ins. in the ground
to bedrock, in a mound of stone, 3 ft. base to top, with brass cap
mkd.

T18S R14W

S30 S29

S31 S32

1959

- Land, rolling, draining W.
- Soil, sandy loam, clay and rocky.
- Timber, none.

Survey of a Portion of the Subdivision of T. 18 S., R. 14 W.

Chains

From the cor. of secs. 28, 29, 32 and 33, heretofore described.

N. 89°59' W., bet. secs. 29 and 32.

Over mountainous land.

.10 Spur, slopes SW.; desc. 650 ft. over steep W. slope.

40.04 Point for the $\frac{1}{4}$ sec. cor. of secs. 29 and 32.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T18S R14W

$\frac{1}{4}$ $\frac{S29}{S32}$
1959

Raise a mound of stone, 2 $\frac{1}{2}$ ft. base, 2 ft. high, N. of cor.

Desc. 180 ft. over W. slope.

68.00 Base of steep descent, bears N. and S.; desc. 100 ft. over rolling W. slope.

80.08 The cor. of secs. 29, 30, 31 and 32.

Land, broken and rolling.

Soil, clay, sandy loam and exposed limestone.

Timber, none.

GENERAL DESCRIPTION

The land within this township is divided by a portion of the House Range which bears northerly through the township. The west and northwest portions of the township are in the White Valley.

The elevation varies from 8700 feet above sea level on the mountains to 4400 feet above sea level on the desert. The mountain range divides the drainage easterly and westerly into the desert valleys.

The soil varies from clay and exposed limestone on the mountains to sand and alkali on the desert.

The timber is composed of juniper, pinion, mahogany and pine of little commercial value.

Principal users of the area are cattlemen and sheepmen, and access into the township is provided by desert roads. One road enters the township on the east boundary of section 25 and leaves the township on the south boundary of section 36. A graded gravel road enters the township on the east boundary of section 12 and leaves the township on the west boundary of section 7. A graded road enters the township on the west boundary of section 31 and leaves the township on the north boundary of section 4.

Access to the survey lines was partially provided by helicopters.

Some tungsten and gold mining activity was noted in the south portion of the township.

CERTIFICATE OF CADASTRAL ENGINEER

I, Vern E. Lane, HEREBY CERTIFY upon honor that, :
 pursuance of special instructions bearing date of the 3rd day of August, 1960
 and supplemental special instructions dated June 24, 1954
 I have ~~surveyed~~ supervised the survey of the east and north boundaries and a portion
 of the subdivision of T. 18 S., R. 14 W.

of the Salt Lake Meridian, in the State of Utah, which
 represented in the foregoing field notes as having been executed under my supervision
~~by the contractor and his assistants~~; and
 said survey has been made in strict conformity with said instructions, the Manual of Instructions for
 Survey of the Public Lands of the United States, and in the specific manner described in the
 field notes.

Salt Lake City, Utah

March 3, 1960


 Vern E. Lane
 Cadastral (Chief of Party)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., DEC 9 1960, 19

The foregoing field notes of the survey of the east and north boundaries and a portion
 of the subdivision of T. 18 S., R. 14 W., Salt Lake Meridian, Utah

executed by Lacel E. Bland, Cadastral Surveyor, and Eldon W. Sibley, Survey Aid,
 under the supervision of Vern E. Lane, Cadastral Surveyor (Chief of Party),
 having been critically examined and found correct, are hereby approved.


 Cadastral Engineering Staff Officer.

CERTIFICATE OF TRANSCRIPT

_____, is a true copy of the original

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ORIGINAL
FIELD NOTES

OF THE

DEPENDENT RESURVEY

OF THE

EAST BOUNDARY

AND THE SURVEY

OF THE

NORTH BOUNDARY AND A PORTION OF THE SUBDIVISION

OF

TOWNSHIP 19 SOUTH, RANGE 13 WEST

Of the Salt Lake Meridian,

In the State of Utah

EXECUTED BY

Vern E. Lane, Cadastral Surveyor (Chief of Party)

Eldon W. Sibley, Cartographic Survey Aid

Under special instructions dated August 3, 1936, which provided
and supplemental special instructions dated June 28, 1954
for the surveys included under Group No. 272, approved Sept. 16, 1936
July 15, 1954
and assignment instructions dated May 1, 1959

Survey commenced June 4, 1959

Survey completed July 6, 1959

INDEX DIAGRAM

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		22				
13	17	22 16	17 15	14	13	5
		21				
19	20	21	16 22	23	24	4
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	25				14	
31	24 32	23 33	15 34	35	14 36	1

Township 19 South, Range 13 West

Chains

The east boundary was surveyed by A. J. Stewart Jr. in 1885. The west boundary was surveyed concurrently and is described in the field notes of T. 19 S., R. 14 W.

The following field notes are those of the dependent resurvey of the east boundary and the survey of the north boundary and a portion of the subdivision of T. 19 S., R. 13 W., deemed sufficient to facilitate the development of the natural resources and mark the boundaries of those sections that are normally considered state school sections.

The survey was executed with a W. & L. E. Gurley solar transit No. 491037, constructed in accordance with the standard instrumental specifications of the Bureau of Land Management. The instrument was in good condition prior to the beginning of the survey and was maintained in proper adjustment throughout the progress of the survey.

Corners on east-west lines were set on the true latitudinal curve. Lines connecting previously established corners were run by the random and true method, but for simplification of the record the random lines are omitted from the field notes. In accordance with the intent of the special instructions, all subdivisional corners established are calculated to be at the position they would occupy if the entire township were subdivided.

Measurements herein contained were made with a narrow steel tape, 8 chains in length, graduated every link for the first 100 links, and thereafter at intervals of 10 links. The tape was tested by comparison with a 1 chain standard steel tape and found to be correct. Measurements were made on the slope with the vertical angle of each interval ascertained by a clinometer in good adjustment; horizontal equivalents alone are entered in the field notes. All lines of this survey were run by direct method where the lines were accessible; lines inaccessible were run by traverse or triangulation methods. Distances to topography on lines run by traverse or triangulation are approximately as scaled from U. S. G. S. topographic sheets. The details of such traverses or triangulations have been thoroughly checked and verified, and in order to simplify the record the diagrams and reductions are omitted from these field notes.

The directions of the lines of this survey were determined by reference to true meridians established on line by hour angle observations on Polaris or altitude observations on the sun. The lines were carried forward by sustained angulation being supplemented by other numerous altitude observations on the sun taken throughout the progress of the survey.

The geographic position for the southeast corner of the township is at latitude $39^{\circ} 06' 20.105''$ N. and longitude $113^{\circ} 15' 09.9''$ W. as adjusted from traverses along section lines to U. S. C. & G. S. station "Forks" located in unsurveyed sec. 35, T. 20 S., R. 14 W.

The magnetic declination was read at a number of stations throughout the township and the average of these readings was found to be $16^{\circ} 30' E.$

Dependent Resurvey of the West Boundary of T. 19 S., R. 12 W., and the Establishment Thereon of New Corners at Latitudinal Intervals of 40 Chains, for T. 19 S., R. 13 W.

Reestablishment of surveys executed by A. J. Stewart Jr. in 1885.

Dependent Resurvey W. 1/4 T. 19 S., R. 12 W.

Chains

- Beginning at the cor. of Tps. 19 and 20 S., R. 12 W., an iron post, 2½ ins. diam., set mkd. and witnessed as described in the field of T. 20 S., R. 13 W.
- N. 0° 55' W., on the W. bdy. of sec. 31, T. 19 S., R. 12 W.
- Over gently rolling land draining E.
- .80 Unimproved road, bears NW. and SE.
- 6.30 Wash, 10 lks. wide, 3 ft. deep, drains E.
- 27.84 Point for the ¼ sec. cor. of sec. 36, T. 19 S., R. 13 W.
- Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.
- T19S
R13W R12W
¼
S36
1959
- Build a mound of stone, 3 ft. base, 2 ft. high W. of cor.
- 29.90 Wash, 20 lks. wide, 3 ft. deep, drains E.
- 40.24 Point for the ¼ sec. cor. of sec. 31, T. 19 S., R. 12 W., at proportionate dist.; there is no remaining evidence of the cor. originally established for the ¼ sec. cor. of secs. 31 and 36.
- Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.
- T19S
R13W R12W
¼
S31
1959
- Build a mound of stone, 3 ft. base, 1½ ft. high, E. of cor.
- 44.30 Wash, 30 lks. wide, 2 ft. deep, drains E.
- 47.80 Wash, 30 lks. wide, 3 ft. deep, drains E.
- 67.84 Point for the cor. of secs. 25 and 36, T. 19 S., R. 13 W.
- Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.
- T19S
R13W R12W
S25
S36 S31
1959
- Build a mound of stone, 2½ ft. base, 2 ft. high, W. of cor.
- 80.48 The cor. of secs. 30 and 31, T. 19 S., R. 12 W., mkd. by the cor. originally set for the cor. of secs. 25, 30, 31 and 36, a limestone 15x10x6 ins., firmly set and plainly mkd.
- At the point for the cor.

Dependant Resurvey, W. Bdy., T. 19 S., R. 12 W.

Chains

Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.

T19S

R13W R12W.

S25 | S30

S31

1959

Raise a mound of stone, 3 ft. base, 2 ft. high, E. of cor.

Bury the original cor. alongside the iron post.

Land, gently rolling.

Soil, sandy loam and light clay.

Undergrowth, scattered greasewood and sagebrush.

Timber, none.

N. 0° 43' W., on the W. bdy. of sec. 30, T. 19 S., R. 12 W.

Over gently rolling land draining E.

8.00 Wash, 10 lks. wide, 2 ft. deep, drains E.

13.60 Unimproved road, bears E. and W.

23.40 Wash, 100 lks. wide, 3 ft. deep, drains E.

27.36 Point for the ¼ sec. cor. of sec. 25, T. 19 S., R. 13 W.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T19S

R13W R12W

¼ |

S25 |

1959

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

40.14 The ¼ sec. cor. of sec. 30, T. 19 S., R. 12 W., mkd. by the cor. originally established for the ¼ sec. cor. of secs. 25 and 30, a limestone 20x9x6 ins., firmly set and plainly mkd.

At the point for the cor.

Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground, with brass cap mkd.

T19S

R13W R12W

¼ |

S30

1959

Raise a mound of stone, 3 ft. base, 2 ft. high, E. of cor.

Bury the original cor. alongside the iron post.

Chains

N. 0° 49' W., beginning new measurement.

3.00 Wash, 100 lks. wide, 3 ft. deep, drains E.

27.22 Point for the cor. of secs. 24 and 25, T. 19 S., R. 13 W.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T19S
R13W R12W
S24 | S30
S25 |
1959

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

30.20 Wash, 150 lks. wide, 4 ft. deep, drains E.

40.19 The cor. of secs. 19 and 30, T. 19 S., R. 12 W., mkd. by the cor. originally set for the cor. of secs. 19, 24, 25 and 30, a limestone 18x10x8 ins., firmly set and plainly mkd.

At the point for the cor.

Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground, with brass cap mkd.

T19S
R13W R12W
S24 | S19
S30 |
1959

Raise a mound of stone, 3 ft. base, 2 ft. high, E. of cor.

Bury the original cor. alongside the iron post.

Land, gently rolling,

Soil, gravel and light clay.

Undergrowth, scattered greasewood and sagebrush.

Timber, none.

N. 0° 48' W., on the W. bdy., sec. 19, T. 19 S., R. 12 W.

Over gently rolling land draining E.

6.80 Unimproved road, bears E. and W.

27.03 Point for the ¼ sec. cor. of sec. 24, T. 19 S., R. 13 W.

Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.

T19S
R13W R12W
S24 |
1959

Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor.

35.20 Unimproved road, bears E. and W.

Dependent Resurvey, W. Bdy., T. 19 S., R. 12 W.

Chains

40.08

The $\frac{1}{4}$ sec. cor. of sec. 19, T. 19 S., R. 12 W., mkd. by the cor. originally established for the $\frac{1}{4}$ sec. cor. of secs. 19 and 24, a limestone 24x12x12 ins., firmly set and plainly mkd.

At the point for the cor.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 15 ins. in the ground, and in a mound of stone to top, 3 ft. base, with brass cap mkd.

T19S
R13W R12W
|
 $\frac{1}{4}$
S19
1959

Bury the original cor. alongside the iron post.

N. $0^{\circ} 54'$ W., beginning new measurement.

17.90

Wash, 100 lks. wide, 3 ft. deep, drains N. 70° E.

26.95

Point for the cor. of secs. 13 and 24, T. 19 S., R. 13 W.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap mkd.

T19S
R13W R12W
S13 | S19
S24 |
1959

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

40.07

The cor. of secs. 18 and 19, T. 19 S., R. 12 W., mkd. by the cor. originally set for the cor. of secs. 13, 18, 19 and 24, a limestone 12x8x8 ins., firmly set and plainly mkd.

At the point for the cor.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 20 ins. in the ground, with brass cap mkd.

T19S
R13W R12W
S13 | S18
S19 |
1959

Raise a mound of stone, 3 ft. base, 2 ft. high, E. of cor.

Bury the original cor. alongside the iron post.

Land, gently rolling.

Soil, gravel and light clay.

Undergrowth, scattered sagebrush and greasewood.

Timber, none.

N. $0^{\circ} 42'$ W., on the W. bdy. of sec. 18, T. 19 S., R. 12 W.

Over gently rolling land draining E.

1.00

Wash, 20 lks. wide, 2 ft. deep, drains E.

W. T. 19 S. R. 12

Chains

- 12.60 Wash, 40 lks. wide, 3 ft. deep, drains E.
- 26.88 Point for the $\frac{1}{4}$ sec. cor. of sec. 13, T. 19 S., R. 13 W.
- Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 15 ins. in the ground, and in a mound of stone to top, 3 ft. base, with brass cap mkd.
- T19S
R13W R12W
 $\frac{1}{4}$
S13
1959
- 40.04 The $\frac{1}{4}$ sec. cor. of sec. 18, T. 19 S., R. 12 W., mkd. by the cor. originally established for the $\frac{1}{4}$ sec. cor. of secs. 13 and 18, a limestone 24x12x10 ins., firmly set and plainly mkd.
- At the point for the cor.
- Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap mkd.
- T19S
R13W R12W
 $\frac{1}{4}$
S18
1959
- Raise a mound of stone, 3 ft. base, 2 ft. high, E. of cor.
- Bury the original cor. alongside the iron post.
-
- N. $0^{\circ} 48'$ W., beginning new measurement.
- 3.10 Wash, 40 lks. wide, 2 ft. deep, drains E.
- 16.60 Wash, 20 lks. wide, 5 ft. deep, drains E.
- 23.70 Wash, 90 lks. wide, 3 ft. deep, drains E.
- 26.84 Point for the cor. of secs. 12 and 13, T. 19 S., R. 13 W.
- Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 4 ins. in the ground, and in a mound of stone to top, $3\frac{1}{2}$ ft. base, with brass cap mkd.
- T19S
R13W R12W
S12
S13 S18
1959
- 34.60 Wash, 30 lks. wide, 3 ft. deep, drains E.
- 39.66 The cor. of secs. 7 and 18, T. 19 S., R. 12 W., mkd. by the cor. originally set for the cor. of secs. 7, 12, 13 and 18, a limestone 12x10x6 ins., firmly set and plainly mkd.
- At the point for the cor.
- Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap mkd.
- T19S
R13W R12W
S12
S18 S 7
1959

Dependent Resurvey, W. Bdy., T. 19 S., R. 12 W.

Chains

Raise a mound of stone, 3 ft. base, 2 ft. high, E. of cor.

Land, gently rolling valley land.

Soil, rocky and light clay.

Undergrowth, scattered greasewood and sagebrush.

Timber, none.

N. 0° 45' W., on the W. bdy. of sec. 7, T. 19 S., R. 12 W.

Over gently rolling land, draining E.

13.70 Wash, 60 lks. wide, 1 ft. deep, drains E.

27.18 Point for the $\frac{1}{4}$ sec. cor. of sec. 12, T. 19 S., R. 13 W.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap mkd.

T19S
R13W R12W

$\frac{1}{4}$
S12

1959

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

28.80 Wash, 20 lks. wide, 3 ft. deep, drains E.

39.98 The $\frac{1}{4}$ sec. cor. of sec. 7, T. 19 S., R. 12 W., mkd. by the cor. originally set for the $\frac{1}{4}$ sec. cor. of secs. 7 and 12, a limestone 12x8x5 ins., firmly set and plainly mkd.

At the point for the cor.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 20 ins. in the ground, with brass cap mkd.

T19S
R13W R12W

$\frac{1}{4}$
S 7

1959

Raise a mound of stone, 3 ft. base, 2 ft. high, E. of cor.

Bury the original cor. alongside the iron post.

N. 0° 51' W., beginning new measurement.

9.70 Wash, 20 lks. wide, 3 ft. deep, drains E.

17.20 Wash, 30 lks. wide, 3 ft. deep, drains E.

27.20 Point for the cor. of secs. 1 and 12, T. 19 S., R. 13 W.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap mkd.

T19S
R13W R12W

$\frac{1}{4}$
S12 S 7

1959

Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.

Dependent Resurvey, W. Bdy., T. 19 S., R. 12 W., 1959

Chains

entire

40.25

The cor. of secs. 6 and 7, T. 19 S., R. 12 W., mkd. by the cor. originally set for the cor. of secs. 1, 6, 7 and 12, a limestone 9x7x6 ins., firmly set and plainly mkd.

At the point for the cor.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground with brass cap mkd.

T19S

R13W R12W

S 1	S 6
	S 7

1959

Raise a mound of stone, 3 ft. base, 2 ft. high, E. of cor.

Bury the original cor. alongside the iron post.

Land, gently rolling.

Soil, gravel and light clay.

Undergrowth, scattered greasewood and sagebrush.

Timber, none.

N. 0° 40' W., on the W. bdy. of sec. 6, T. 19 S., R. 12 W.

Over rolling land draining E.

11.70

Wash, 50 lks. wide, 4 ft. deep, drains E.

16.70

Unimproved road, bears S. 80° E. and N. 80° W.

25.70

Wash, 20 lks. wide, 2 ft. deep, drains E.

26.95

Point for the ¼ sec. cor. of sec. 1, T. 19 S., R. 13 W.

Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground with brass cap mkd.

T19S

R13W R12W

¼
S 1

1959

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

31.10

Wash, 120 lks. wide, 2 ft. deep, drains SE.

40.05

The ¼ sec. cor. of sec. 6, T. 19 S., R. 12 W., mkd. by the cor. originally set for the ¼ sec. cor. of secs. 1 and 6, a limestone 15x8x4 ins., firmly set and plainly mkd.

At the point for the cor.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground with brass cap mkd.

T19S

R13W R12W

¼
S 6

1959

Dependent Resurvey, W. Bdy., T. 19 S., R. 12 W.

Chains

Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, E. of cor.

Bury the original cor. alongside the iron post.

N. $0^{\circ} 49'$ W., beginning new measurement.

8.70 Wash, 40 lks. wide, 3 ft. deep, drains SE.

26.90 Point for the cor. of Tps. 18 and 19 S., R. 13 W.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 16 ins. in the ground, and in a mound of stone to top, 4 ft. base, with brass cap mkd.

T18S R19S

R13W R12W

S36	S 6
S 1	

T19S

1959

36.70 Wash, 30 lks. wide, 3 ft. deep, drains SE.

40.02 The cor. of Tps. 18 and 19 S., R. 12 W., mkd. by the cor. originally set for the cor. of Tps. 18 and 19 S., Rs. 12 and 13 W., a limestone $26 \times 14 \times 10$ ins., firmly set and plainly mkd.

At the point for the cor.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 10 ins. in the ground, and in a mound of stone to top, 4 ft. base, with brass cap mkd.

T18S

R13W R12W

S36	S 6
S 1	

T19S

1959

Bury the original cor. alongside the iron post.

Land, gently rolling.

Soil, gravel, sandy loam and light clay.

Undergrowth, scattered greasewood and sagebrush.

Timber, none.

Survey of the North Boundary, T. 19 S., R. 13 W.

From the cor. of Tps. 18 and 19 S., R. 13 W.

N. $89^{\circ} 59'$ W., bet. secs. 1 and 36.

Over rolling land draining E.

18.80 Wash, 150 lks. wide, 2 ft. deep, drains SE.

24.03 Point for the $\frac{1}{2}$ sec. cor. of secs. 1 and 36.Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap mkd.

Chains

2014-11-11

T18S R13W

S 36

S. 1

T199

1959

Asc. 60 ft. over rolling E. slope.

64.03 Point for the cor. of secs. 1, 2, 35 and 36.

T18S R13W

S35 | S36

S	2	S	1
---	---	---	---

T19S

1959

Land, rolling.

Soil, gravel and sandy loam. ...

Soil, gravel and sandy loam. ...

Undergrowth, scattered greasewood and sagebrush.

Timber, none.

Figure 1. The effect of the concentration of the *Agrobacterium* suspension on the transformation efficiency of *Agrobacterium* strains.

1. The first step is to identify the problem or question that needs to be answered. This involves understanding the context and the specific requirements of the task.

N. 89° 59' W., bet. secs. 2 and 35.

[illegible]

Asc. over gently rolling E. slope.

1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 26

27.90 Small spur, slopes SE.; desc. 40 ft. over SW. slope.

40.00	Point for the $\frac{1}{2}$ sec. cor. of secs. 2 and 35.
-------	--

Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to bedrock, and in a mound of stone to top, 4 ft. base, with brass cap mkd.

T18S R13W

S35

S 2

T19S

1959

Desc. 30 ft. over SW. slope.

49.20 Wash, 10 lks. wide, 4 ft. deep, drains N. 70° E.; asc. 310 ft. over NE. slope.

80.00	Point for the cor. of secs. 2, 3, 34 and 35.	
-------	--	--

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 1 in. in the ground to bedrock, and in a mound of stone to top, $4\frac{1}{2}$ ft. base, with brass cap mkd. "1880".

N. 19. S. R. 13 W.

Chains

T18S R13W

~~S34~~ S35

S 3 | S 2

T19S

1959

Land, E. $\frac{1}{2}$ mile rolling, W. $\frac{1}{2}$ mile broken.

Soil, sandy loam, clay and exposed limestone.

Undergrowth, scattered sagebrush and shadscale.

Timber, none.

N. 89° 59' W., bet. secs. 3 and 34.

Over broken land; asc. 40 ft. over NE. slope.

- 3.00 Small spur, slopes SE.; asc. 90 ft. over SE. slope.
- 18.70 Spur, slopes SE.; desc. 80 ft. over SW. slope.
- 26.80 Wash, 20 lks. wide, 3 ft. deep, drains SE.; asc. 190 ft. over NE. slope.
- 35.30 Spur, slopes SE.; desc. 100 ft. over SW. slope.
- 40.00 Point for the $\frac{1}{2}$ sec. cor. of secs. 3 and 34.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 1 in. in the ground to bedrock, and in a mound of stone to top, 4 ft. base, with brass cap mkd.

T18S R13W

~~S34~~

S 3 | S 3

T19S

1959

Desc. 20 ft. over SW. slope.

- 40.70 Small wash, drains SW.; asc. 50 ft. over SE. slope.
- 44.80 Small spur, slopes S.; desc. 70 ft. over SW. slope.
- 49.50 Wash, 30 lks. wide, 3 ft. deep, drains SE.; asc. 200 ft. over NE. slope.
- 61.90 Spur, slopes SE.; desc. 100 ft. over SW. slope.
- 77.30 Wash, 10 lks. wide, 2 ft. deep, drains SE.; asc. 60 ft. over E. slope.
- 80.00 Point for the cor. of secs. 3, 4, 33 and 34.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 16 ins. in the ground, and in a mound of stone to top, 4 ft. base, with brass cap mkd.

T18S R13W

~~S33~~ S34

S 4 | S 3

T19S

1959

Land, broken.

Soil, clay and exposed limestone.

Undergrowth, scattered sagebrush and shadscale.

Timber, none.

N. 89° 59' W., bet. secs. 4 and 33.

Over broken land; by triangulation asc. 440 ft. over steep E. slope.

N. T. 19 S. R. 13 W.

Chains

- 12.50 Spur, slopes NE.; desc. 160 ft. over NW. slope.
- 28.00 Wash, 30 lks. wide, 4 ft. deep, drains NE.; asc. 480 ft. over broken E. slope.
- 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 4 and 33, falls on ledges facing E. and cannot be perpetuated.
Asc. 240 ft. over E. slope.
- 46.45 Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 4 and 33.
Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 1 ins. in the ground to bedrock, and in a mound of stone to top, 4 ft. base, with brass cap mkd.
- T18S R13W

$\frac{1}{4}$	S33	W
S 4		C

T19S
1959
- Asc. 20 ft. over E. slope.
- 46.70 Spur, slopes N.; desc. 330 ft. over NW. slope.
- 59.40 Wash, 20 lks. wide, 5 ft. deep, drains N.; asc. 240 ft. over E. slope.
- 66.90 Spur, slopes N.; desc. 270 ft. over W. slope.
- 77.00 Wash, 20 lks. wide, 3 ft. deep, drains N.; asc. 110 ft. over E. slope.
- 80.00 Point for the cor. of secs. 4, 5, 32 and 33.
Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the ground with brass cap mkd.
- T18S R13W

S32	S33
S 5	S 4

T19S
1959
- Land, broken.
Soil, clay and exposed limestone.
Undergrowth, scattered sagebrush and shadscale.
Timber, scattered juniper and pinon.
- N. $89^{\circ} 59'$ W., bet. secs. 5 and 32.
Over broken land; asc. 40 ft. over E. slope.
- 3.20 Spur, slopes N.; desc. 120 ft. over NW. slope.
- 14.10 Wash, 20 lks. wide, 3 ft. deep, drains N.; asc. 70 ft. along N. slope.
- 21.10 Wash, 20 lks. wide, 3 ft. deep, drains NE.; asc. 310 ft. over NW. slope.
- 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 5 and 32.

Survey, N. Rdy., T. 19 S., R. 13 W.

Chains

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 12 ins. in the ground, and in a mound of stone to top, $2\frac{1}{2}$ ft. base, with brass cap mkd.

T188 R13W

$$\frac{S32}{S5}$$

T19S

1959

Asc. 820 ft. over broken E. slope.

64.80 Spur, slopes N.; desc. 250 ft. over NW. slope.

80.00 Point for the cor. of secs. 5, 6, 31 and 32.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 15 ins. in the ground, and in a mound of stone to top, 4 ft. base, with brass cap mkd.

T18S R13W

$$\frac{S31}{S6} \mid \frac{S32}{S5}$$

T19S

1959

Land, broken.

Soil, clay and exposed limestone.

Undergrowth, scattered sagebrush and shadscale.

Timber, scattered juniper and pinon.

N. $89^{\circ} 59'$ W., bet. secs. 6 and 31.

Over broken land; desc. 260 ft. over NW. slope.

16.60 Wash, 10 lks. wide, 5 ft. deep, drains N.; asc. 80 ft. over E. slope.

21.30 Spur, slopes N.; desc. 130 ft. over W. slope.

29.70 Wash, 20 lks. wide, 4 ft. deep, drains NW.

31.10 Wash, 30 lks. wide, 3 ft. deep, drains N.; asc. 150 ft. over E. slope.

40.00 Point for the $\frac{1}{2}$ sec. cor. of secs. 6 and 31.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 18 ins. in the ground, and in a mound of stone to top, 3 ft. base, with brass cap mkd.

T18S R13W

$$\frac{S31}{S6}$$

T19S

1959

Asc. 50 ft. over E. slope.

42.70 Spur, slopes N. 10° W.; desc. 170 ft. over W. slope.

54.30 Wash, 50 lks. wide, 3 ft. deep, drains N.; asc. 80 ft. over E. slope; enter dense timber.

59.00 Small spur, slopes N.; desc. 110 ft. over W. slope.

67.50 Wash, 20 lks. wide, 4 ft. deep, drains NE.; asc. 60 ft. over E. slope.

78.98 The cor. of Tps. 18 and 19 S., Rs. 13 and 14 W.

Survey, N. Bdy., T. 19 S., R. 13 W.

Chains

Land, broken.
Soil, light clay and exposed limestone.
Undergrowth, scattered sagebrush and shadscale.
Timber, scattered juniper and pinon on E. $\frac{1}{2}$ mile; dense on W. $\frac{1}{2}$ mile.

Survey of a Portion of the Subdivision of T. 19 S., R. 13 W.

From the cor. of secs. 1, 2, 35 and 36 on the S. bdy. of the towns 4;
an iron post, 2½ ins. diam., set, mkd. and witnessed as described in
the field notes of T. 20 S., R. 13 W.

North, bet. secs. 35 and 36, on sectional Guide Meridian.

Over broken land; asc. 120 ft. along E. slope.

14.40 Spur, slopes NE.; desc. 330 ft. over N. slope.

37.40 Trail road in bottom of wash, 350 lks. wide, 1 ft. deep, drains E.;
over rolling land draining E.

40.00 Point for the $\frac{1}{2}$ sec. cor. of secs. 35 and 36.

Set an iron post, 30 ins. long, 2½ ins. diam., 15 ins. in the ground
and in a mound of stone to top, 4 ft. base, with brass cap mkd.

T19S R13W

S35|S36

1959

41.80 Wash, 30 lks. wide, 3 ft. deep, drains E.

57.10 Wash, 20 lks. wide, 2 ft. deep, drains SE.

59.80 Trail road, bears NW. and SE.

75.30 Trail road, bears N. 10° W. and S. 10° E.

80.00 Point for the cor of secs. 25, 26, 35 and 36.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground,
with brass cap mkd.

T19S R13W

S26|S25

S35|S36

1959

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

Land, S. $\frac{1}{2}$ mile broken; N. $\frac{1}{2}$ mile rolling.

Soil, gravel, clay and exposed limestone.

Undergrowth, scattered sagebrush and shadscale.

Timber, none:

From the cor. of secs. 25 and 36 on the E. bdy. of the T. 19 S.

S. 89° 56' W., bet. secs. 25 and 36.

Over rolling land; asc. 80 ft. over E. slope.

29.66 Point for the $\frac{1}{2}$ sec. cor. of secs. 25 and 36.

Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the
with brass cap mkd.

Survey, Portion of Subdivision, T. 19 S., R. 13 W.

Chains

T19S R13W

S25

S36

1959

Raise a mound of stone, $2\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

Asc. 100 ft. over rolling E. slope.

53.00 Wash, 10 lks. wide, 2 ft. deep, drains SE.

69.66 The cor. of secs. 25, 26, 35 and 36.

Land, rolling.

Soil, sandy loam and gravel.

Undergrowth, scattered sagebrush and shadscale.

Timber, none.

From the cor. of secs. 3, 4, 33 and 34 on the S. bdy. of the Tp., an iron post, $2\frac{1}{2}$ ins. diam., set, mkd. and witnessed as described in the field notes of T. 20 S., R. 13 W.

N. $0^{\circ} 01'$ W., bet. secs. 33 and 34.

Over broken land; asc. 160 ft. over SE. slope.

8.40 Spur, slopes E.; desc. 270 ft. over N. slope.

20.50 Wash, 10 lks. wide, 2 ft. deep, drains N. 60° E.; asc. 150 ft. over SE. slope.40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 33 and 34.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 10 ins. in the ground to bedrock, and in a mound of stone to top, $3\frac{1}{2}$ ft. base, with brass cap mkd.

T19S R13W

 $\frac{1}{4}$

S33 | S34

1959

Asc. 170 ft. over SE. slope.

50.10 Spur, slopes NE.; desc. 480 ft. over N. slope.

78.00 Base of descent, bears E. and W.; thence over rolling land.

80.00 Point for the cor. of secs. 27, 28, 33 and 34.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 20 ins. in the ground, with brass cap mkd.

T19S R13W

S28 | S27

S33 | S34

1959

Raise a mound of stone, 3 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Land, broken.

Soil, clay and exposed limestone.

Timber, none.

Survey, Portion of Subdivision, T. 19 S., R. 13 W.

Chains

N. 0° 01' W., bet. secs. 27 and 28.

Over rolling land draining E.

3.10 Wash, 100 lks. wide, 3 ft. deep, drains E.

29.90 Unimproved road, bears E. and S. 60° W.

32.70 Base of ascent, bears E. and W.; asc. 190 ft. over S. slope.

40.00 Point for the $\frac{1}{2}$ sec. cor. of secs. 27 and 28.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 1 in. in the ground to bedrock, and in a mound of stone to top, 4 ft. base, with brass cap mkd.

T19S R15W

 $\frac{1}{2}$
 S28|S27
 1959

Asc. 180 ft. over S. slope.

51.50 Spur, slopes E.; desc. 340 ft. over N. slope.

61.30 Wash, 20 lks. wide, 3 ft. deep, drains E.; thence over rolling land draining E..

62.80 Trail road, bears E. and W..

68.50 Wash, 20 lks. wide, 2 ft. deep, drains NE.

74.00 Wash, 30 lks. wide, 3 ft. deep, drains S. 60° E.

80.00 Point for the cor. of secs. 21, 22, 27 and 28.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T19S R13W

 S21|S22
 S28|S27
 1959

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

Land, rolling and broken.

Soil, sandy loam, clay and exposed limestone.

Undergrowth, scattered sagebrush and shadscale.

Timber, none.

N. 0° 01' W., bet. secs. 21 and 22.

Over rolling land draining E.

2.50 Wash, 20 lks. wide, 2 ft. deep, drains S. 70° E.

13.90 Wash, 20 lks. wide, 2 ft. deep, drains S. 60° E.

20.90 Wash, 20 lks. wide, 3 ft. deep, drains SE.

38.30 Unimproved road, bears S. 70° E. and N. 70° W.

39.80 Unimproved road, bears S. 60° W. and N. 60° E., 3 chs. to junction.

40.00 Point for the $\frac{1}{2}$ sec. cor. of secs. 21 and 22.

Portion of Subdivis T. 19 S. R. 13 W.

Chains

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap mkd.

T19S R13W

$\frac{1}{4}$
S21|S22

1959

Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.

45.80 Wash, 200 lks. wide, 2 ft. deep, drains E.; asc. 340 ft. over SE. slope.

80.00 Point for the cor. of secs. 15, 16, 21 and 22.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 12 ins. in the ground, and in a mound of stone to top, 3 ft. base, with brass cap mkd.

T19S R13W

S16|S15

S21|S22

1959

Land, S. $\frac{1}{2}$ mile rolling; N. $\frac{1}{2}$ mile broken.
Soil, sandy loam, clay and exposed limestone.
Undergrowth, scattered sagebrush and shadscale.
Timber, none.

N. $0^{\circ} 01'$ W., bet. secs. 15 and 16,

Over broken land; asc. 360 ft. over SE. slope.

29.00 Ridge, bears E. and W.; desc. 360 ft. over N. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 15 and 16,

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground to bedrock, and in a mound of stone to top, 4 ft. base, with brass cap mkd.

T19S R13W

$\frac{1}{4}$
S16|S15

1959

Desc. 10 ft. over N. slope.

40.20 Head of wash, drains Steeply N. 10° E.; desc. 180 ft. along E. slope.

52.50 Wash, 20 lks. wide, 3 ft. deep, drains NE.; asc. 120 ft. over SE. slope.

60.40 Spur, slopes NE.; desc. 220 ft. over N. slope.

68.70 Wash, 150 lks. wide, 3 ft. deep, drains NE.; asc. 160 ft. over SE. slope.

80.00 Point for the cor. of secs. 9, 10, 15 and 16.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 10 ins. in the ground, and in a mound of stone to top, $3\frac{1}{2}$ ft. base, with brass cap mkd.

Portion of T. 19 S. R. 13 W.

Chains

T19S R13W, Sec. 9 and 10.

S 9 | S10

S16 | S15

1959

Land, broken.

Soil, clay and exposed limestone.

Undergrowth, widely scattered sagebrush.

Timber, none.

N. 0° 01' W., bet. secs. 9 and 10.

Over broken land; asc. 240 ft. over SE. slope.

25.70 Spur, slopes E.; desc. 260 ft. over NE. slope.

38.30 Wash, 30 lks. wide, 2 ft. deep, drains SE.; thence over rolling land.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 9 and 10.Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap mkd.

T19S R13W, Sec. 9 and 10.

S 9 | S10

1959

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

43.70 Wash, 20 lks. wide, 3 ft. deep, drains SE.

47.30 Trail road, bears E. and W.

66.20 Wash, 40 lks. wide, 1 ft. deep, drains SE.; asc. 150 ft. over S. slope.

80.00 Point for the cor. of secs. 3, 4, 9 and 10.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap mkd.

T19S R13W

S 4 | S 3

S 9 | S10

1959

Raise a mound of stone, 3 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Land, rolling and broken.

Soil, gravel, light clay and exposed limestone.

Undergrowth, scattered sagebrush and shadscale.

Timber, none.

N. 0° 09' E., bet. secs. 3 and 4.

Over broken land; asc. 310 ft. over steep S. slope.

8.70 Top of rocky knob, 1 ch. diam.; asc. 10 ft. along W. slope.

14.10 Head of small wash, drains SW.; asc. 100 ft. over S. slope.

20.60 Top of ridge, bears NW. and SE.; desc. 570 ft. over broken NE. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 3 and 4.

Survey, Portion of Subdivision, T. 19 S., R. 13 W.

Chains

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap mkd.

T19S R13W

$\frac{1}{2}$
S 4 | S 3

1959

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

Desc. 20 ft. over NE. slope.

42.80 Wash, 15 lks. wide, 3 ft. deep, drains SE.; asc. 80 ft. over SE. slope.

57.00 Small spur, slopes SE.; desc. 80 ft. over NE. slope.

63.10 Small wash, drains SE.; asc. 90 ft. over SW. slope.

76.50 Small spur, slopes SE.; desc. 20 ft. over NE. slope.

80.18 The cor. of secs. 3, 4, 33 and 34 on the N. bdy. of the Tp.

Land, broken.

Soil, sandy loam, clay and exposed limestone.

Undergrowth, scattered sagebrush and shadscale.

Timber, none.

From the cor. of secs. 2, 3, 34 and 35 on the N. bdy. of the Tp.

S. $0^{\circ} 01'$ E.; bet. secs. 2 and 3.

Over broken land; desc. 150 ft. over SW. slope.

18.00 Wash, 20 lks. wide, 1 ft. deep, drains S. 30° E.; asc. 120 ft. over NE. slope.

24.00 Spur, projects S. 30° E., 10 chs. to end; desc. 100 ft. over S. slope.

30.50 Wash, 30 lks. wide, 1 ft. deep, drains E.; desc. 30 ft. along E. slope.

38.40 Spur slopes steeply SE., 5 chs. to end; desc. 40 ft. over S. slope.

40.12 Point for the $\frac{1}{2}$ sec. cor. of secs. 2 and 3.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap mkd.

T19S R13W

$\frac{1}{2}$
S 3 | S 2

1959

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

Desc. 40 ft. over S. slope.

42.00 Small wash, drains E.; asc. 60 ft. over N. slope.

44.30 Low ridge, bears NW. and SE.; desc. 100 ft. over gentle SW. slope.

68.00 Wash, 10 lks. wide, 1 ft. deep, drains E.

74.60 Wash, 50 lks. wide, 3 ft. deep, drains E.

80.12 Point for the cor. of secs. 2, 3, 10 and 11 at a dist. calculated to intersect a theoretical parallel connecting the cor. of secs. 1, 4, and 12 on the E. bdy. and the cor. of secs. 3, 4, 9 and 10.

Portion of Subdivision T. 19 S., R. 13 W.

Chains

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap mkd.

T19S R13W

S 3 | S 2

S10 | S11

1959

Raise a mound of stone, 4 ft. base, 3 ft. high, W. of cor.

Land, N. $\frac{1}{2}$ mile broken; S. $\frac{1}{2}$ mile rolling.

Soil, sandy loam, light clay and exposed limestone.

Undergrowth, scattered sagebrush and shadscale.

Timber, none.

N. $89^{\circ} 58'$ E., bet. secs. 2 and 11.

Over rolling land draining E.; desc. 160 ft. over gradual SE. slope.

24.00 Unimproved road, bears N. 80° E. and S. 80° W.

26.20 Wash, 30 lks. wide, 3 ft. deep, drains S. 70° E.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 11.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the ground with brass cap mkd.

T19S R13W

 $\frac{1}{4}$ S 2

S11

1959

Raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.

Desc. 120 ft. over gradual SE. slope.

80.00 Point for the cor. of secs. 1, 2, 11 and 12.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 20 ins. in the ground with brass cap mkd.

T19S R13W

S 2 | S 1

S11 | S12

1959

Raise a mound of stone, 3 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Land, rolling.

Soil, sandy loam and gravel.

Undergrowth, scattered sagebrush and shadscale.

Timber, none.

N. $0^{\circ} 04'$ W., bet. secs. 1 and 2.

Over rolling land draining E.

12.40 Wash, 20 lks. wide, 2 ft. deep, drains N. 70° E.

23.60 Wash, 50 lks. 2 ft. deep, drains E.

36.50 Unimproved road, bears NE. and SW.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 1 and 2.

Survey, Portion of Subdivision, T. 19 S., R. 13 W.

Chains

Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.

T19S R13W

S 2 | S 1

1959

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

Asc. 30 ft. along E. slope.

43.10 Trail road, bears E. and W.

43.70 Wash, 20 lks. wide, 1 ft. deep, drains E.

56.00 Small ridge, bears E. and W.; desc. 110 ft. over N. slope.

76.10 Wash, 20 lks. wide, 1 ft. deep, drains N. 60° E.; desc. 30 ft. over N. slope.

80.01 The cor. of secs. 1, 2, 35 and 36 on the N. bdy.

Land, rolling.

Soil, sandy loam.

Undergrowth, scattered sagebrush.

Timber, none.

From the cor. of secs. 15, 16, 21 and 22.

West, bet. secs. 16 and 21.

Over broken land; asc. 80 ft. over SE. slope.

3.20 Spur, slopes S.; desc. 210 ft. over W. slope.

8.30 Wash, 10 lks. wide, 3 ft. deep, drains S.; asc. 140 ft. over E. slope.

15.10 Spur, slopes S.; desc. 130 ft. over W. slope.

20.70 Wash, 10 lks. wide, 3 ft. deep, drains SW.; asc. 70 ft. over SE. slope.

26.00 Spur, slopes S. 10° W.; desc. 130 ft. over W. slope.

30.40 Wash, 40 lks. wide, 2 ft. deep, drains SW.

31.90 Wash, 20 lks. wide, 2 ft. deep, drains SE.; asc. 150 ft. over E. slope.

38.20 Spur, slopes S.; desc. 10 ft. over W. slope.

40.00 Point for the ¼ sec. cor. of secs. 16 and 21.

Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground to bedrock, and in a mound of stone to top, 3 ft. base, with brass cap mkd.

T19S R13W

¼ $\frac{S16}{S21}$

1959

Desc. 160 ft. over W. slope.

47.60 Wash, 20 lks. wide, 4 ft. deep, drains S.; asc. 20 ft. over SE. slope.

61.80 Wash, 20 lks. wide, 4 ft. deep, drains SE.; asc. 60 ft. over SE. slope.

Chains

80.00

Point for the cor. of secs. 16, 17, 20 and 21.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T18S R13W

S17|S16S20|S21

1959

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

Land, broken.

Soil, light clay and exposed limestone.

Undergrowth, scattered sagebrush and shadscale.

Timber, none.

N. $0^{\circ} 02'$ W., bet. secs. 16 and 17.

Over broken land; asc. 480 ft. over broken SE. slope.

40.00

Point for the $\frac{1}{4}$ sec. cor. of secs. 16 and 17.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 5 ins. in the ground to bedrock, and in a mound of stone to top, $3\frac{1}{2}$ ft. base, with brass cap mkd.

T19S R13W

S17|S16

1959

Asc. 330 ft. over SE. slope.

71.60

Ridge, bears N. 10° W. and S. 10° E.; desc. 20 ft. over NE. slope.

80.00

Point for the cor. of secs. 8, 9, 16 and 17.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground to bedrock, and in a mound of stone to top, $3\frac{1}{2}$ ft. base, with brass cap mkd.

T19S R13W

S 8|S 9S17|S16

1959

Land, broken.

Soil, clay and exposed limestone.

Undergrowth, widely scattered sagebrush and shadscale.

Timber, none.

From the cor. of secs. 9, 10, 15 and 16.

S. $89^{\circ} 59'$ W., bet. secs. 9 and 16.

Over broken land; asc. 90 ft. over SE. slope.

2.40

Spur, slopes S.; desc. 160 ft. over W. slope.

9:10

Wash, 30 lks. wide, 3 ft. deep, drains S.; asc. 460 ft. over E.

34.30

Spur, projects S.; desc. 60 ft. over SW. slope.

Survey, Portion of Subdivision, T. 19 S., R. 13 W.

Chains	
40.01	<p>Point for the $\frac{1}{4}$ sec. cor. of secs. 9 and 16.</p> <p>Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 8 ins. in the ground to bedrock, and in a mound of stone to top, $3\frac{1}{2}$ ft. base, with brass cap mkd.</p> <p style="text-align: center;">T19S R13W $\frac{1}{4}$ $\frac{S}{S16}$ 1959</p>
	Desc. 120 ft. over SW. slope.
48.40	Wash, 20 lks. wide, 3 ft. deep, drains SE.; asc. 40 ft. over E. slope.
51.00	Small spur, slopes S.; desc. 40 ft. over SW. slope.
57.00	Wash, 20 lks. wide, 3 ft. deep, drains SE.; asc. 710 ft. over steep and broken NE. slope.
80.02	<p>The cor. of secs. 8, 9, 16 and 17.</p> <p>Land, broken. Soil, clay and exposed limestone. Undergrowth, widely scattered sagebrush and shadscale. Timber, none.</p>
	<p>From the true point for the cor. of secs. 4, 5, 32 and 33 on the S. bdy. of the Tp. which is witnessed East 0.53 chs. dist. by an iron post $2\frac{1}{2}$ ins. diam., set, mkd. and witnessed as described in the field notes of T. 20 S., R. 13 W.</p> <p>N. $0^{\circ} 02'$ W., bet. secs. 32 and 33. Over broken land; desc. 120 ft. over N. slope.</p>
3.70	Wash, 20 lks. wide, 2 ft. deep, drains W.; asc. 170 ft. over S. slope.
12.10	Spur, slopes W.; desc. 300 ft. over NW. slope.
40.00	<p>Point for the $\frac{1}{4}$ sec. cor. of secs. 32 and 33.</p> <p>Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 15 ins. in the ground, and in a mound of stone to top, $3\frac{1}{2}$ ft. base, with brass cap mkd.</p> <p style="text-align: center;">T19S R13W $\frac{1}{4}$ $\frac{S32}{S33}$ 1959</p>
	Desc. 20 ft. over NW. slope.
41.50	Wash, 50 lks. wide, 2 ft. deep, drains NE.; thence over rolling land draining NE.
48.60	Wash, 20 lks. wide, 2 ft. deep, drains E.
70.50	Trail road, bears E. and W.
78.30	Wash, 40 lks. wide, 2 ft. deep, drains SE.
80.00	<p>Point for the cor. of secs. 28, 29, 32 and 33.</p> <p>Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 10 ins. in the ground, and in a mound of stone to top, $3\frac{1}{2}$ ft. base, with brass cap mkd.</p>

Survey, Portion of Subdivision, T. 19 S., R. 13 W.

Chains

T19S R13W

S29|S28

S32|S33

1959

Land, S. $\frac{1}{2}$ mile broken; N. $\frac{1}{2}$ mile rolling.
 Soil, sandy loam, light clay and exposed limestone.
 Undergrowth, scattered sagebrush and shadscale.
 Timber, none.

From the cor. of secs. 5, 6, 31 and 32 on the S. bdy. of the Tp., an iron post; 2½ ins. diam., set, mkd. and witnessed as described in field notes of T. 20 S., R. 13 W.

N. 0° 03' W., bet. secs. 31 and 32.

Over broken land; asc. 250 over S. slope.

- 9.00 Ridge, bears E. and W.; desc. 750 ft. over steep and broken N. slope
- 27.80 Wash, 40 lks. wide, 3 ft. deep, drains E.; asc. 230 ft. over SE. slope
- 39.00 Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 31 and 32.

Set an iron post, 30 ins. long, 2½ ins. diam., 1 in. in the ground in bedrock, and in a mound of stone to top, 3½ ft. base, with brass cap mkd.

T19S R13W

W C

S31|S32

1959

Asc. 30 ft. over SE. slope.

- 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 31 and 32 falls on ledges facing SE. and cannot be perpetuated.

Asc. 130 ft. over SE. slope.

- 41.40 Spur, slopes steeply E.; by triangulation desc. 280 ft. over NE. slope
- 50.00 Wash, 40 lks. wide, 2 ft. deep, drains SE.; asc. 520 ft. over SE. slope.
- 68.00 End of triangulation; spur, slopes SE.; desc. 170 ft. over NE. slope
- 77.30 Wash, 10 lks. wide, 3 ft. deep, drains SE.; asc. 90 ft. over S. slope
- 80.00 Point for the cor. of secs. 29, 30, 31 and 32.

Set an iron post, 30 ins. long, 2½ ins. diam., 1 in. in the ground in bedrock, and in a mound of stone to top, 3½ ft. base, with brass cap mkd.

T19S R13W

S30|S29

S31|S32

1959

Land, broken:

Soil, clay and limestone outcroppings:

Timber, widely scattered juniper and pinon.

Survey, Portion of Subdivision, T. 19 S., R. 13 W.

Chains

From the cor. of secs. 28, 29, 32 and 33.

N. 89° 58' W., bet. secs. 29 and 32.

Over rolling land; asc. gradual E. slope.

3.20 Wash, 50 lks. wide, 2 ft. deep, drains SE.

9.70 Base of ascent, bears N. and S.; asc. 310 ft. over E. slope.

34.70 Spur, slopes SE.; desc. 50 ft. over SW. slope.

39.975 Point for the $\frac{1}{4}$ sec. cor. of secs. 29 and 32.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 3 ins. in the ground to bedrock, and in a mound of stone to top, $3\frac{1}{2}$ ft. base, with brass cap mkd.

T19S R13W

$\frac{1}{4}$ $\frac{S29}{S32}$
1959

Desc. 100 ft. over SW. slope.

50.00 Wash, 20 lks. wide, 3 ft. deep, drains SE.; asc. 140 ft. over SE. slope.

65.30 Wash, 20 lks. wide, 4 ft. deep, drains SE.; asc. 420 ft. over steep and broken NE. slope.

79.95 The cor. of secs. 29, 30, 31 and 32.

Land, rolling to broken.

Soil, sandy loam, light clay and exposed limestone.

Undergrowth, scattered sagebrush and shadscale.

Timber, none.

General Description

The terrain within the township is composed of the eastern slopes of the House Mountain Range with rolling desert valley land in the extreme eastern portion of the township. Elevation varies from 8000 feet above sea level on the higher mountains to 5400 feet above sea level in the valley. The soil is made up of sand, gravel and clay with considerable limestone surfaces in the mountainous regions.

There is little timber in this township and the few growths of scrub juniper and pinon are located in the higher portions of the township.

Access into the area is provided by desert roads.

There is no source of water in the township. There is no habitation. Principal use of the township is for winter grazing of sheep.

There were no mineral formations of consequence noted during the survey.

Survey, Section of the Survey, T. 12 N., R. 12 E.

Chains	Chains
From the cor. of sec. 21, T. 12 N., R. 12 E.	
N. 89° 30' E., 100.00 ch. to cor. 1.	
Cor. 1. S. 89° 30' E., 100.00 ch. to cor. 2.	
Cor. 2. S. 89° 30' E., 100.00 ch. to cor. 3.	100.00
Cor. 3. S. 89° 30' E., 100.00 ch. to cor. 4.	100.00
Cor. 4. S. 89° 30' E., 100.00 ch. to cor. 5.	100.00
Cor. 5. S. 89° 30' E., 100.00 ch. to cor. 6.	100.00
Cor. 6. S. 89° 30' E., 100.00 ch. to cor. 7.	100.00
Cor. 7. S. 89° 30' E., 100.00 ch. to cor. 8.	100.00
Cor. 8. S. 89° 30' E., 100.00 ch. to cor. 9.	100.00
Cor. 9. S. 89° 30' E., 100.00 ch. to cor. 10.	100.00
Cor. 10. S. 89° 30' E., 100.00 ch. to cor. 11.	100.00
Cor. 11. S. 89° 30' E., 100.00 ch. to cor. 12.	100.00
Cor. 12. S. 89° 30' E., 100.00 ch. to cor. 13.	100.00
Cor. 13. S. 89° 30' E., 100.00 ch. to cor. 14.	100.00
Cor. 14. S. 89° 30' E., 100.00 ch. to cor. 15.	100.00
Cor. 15. S. 89° 30' E., 100.00 ch. to cor. 16.	100.00
Cor. 16. S. 89° 30' E., 100.00 ch. to cor. 17.	100.00
Cor. 17. S. 89° 30' E., 100.00 ch. to cor. 18.	100.00
Cor. 18. S. 89° 30' E., 100.00 ch. to cor. 19.	100.00
Cor. 19. S. 89° 30' E., 100.00 ch. to cor. 20.	100.00
Cor. 20. S. 89° 30' E., 100.00 ch. to cor. 21.	100.00
Cor. 21. S. 89° 30' E., 100.00 ch. to cor. 22.	100.00
Cor. 22. S. 89° 30' E., 100.00 ch. to cor. 23.	100.00
Cor. 23. S. 89° 30' E., 100.00 ch. to cor. 24.	100.00
Cor. 24. S. 89° 30' E., 100.00 ch. to cor. 25.	100.00
Cor. 25. S. 89° 30' E., 100.00 ch. to cor. 26.	100.00
Cor. 26. S. 89° 30' E., 100.00 ch. to cor. 27.	100.00
Cor. 27. S. 89° 30' E., 100.00 ch. to cor. 28.	100.00
Cor. 28. S. 89° 30' E., 100.00 ch. to cor. 29.	100.00
Cor. 29. S. 89° 30' E., 100.00 ch. to cor. 30.	100.00
Cor. 30. S. 89° 30' E., 100.00 ch. to cor. 31.	100.00
Cor. 31. S. 89° 30' E., 100.00 ch. to cor. 32.	100.00
Cor. 32. S. 89° 30' E., 100.00 ch. to cor. 33.	100.00

FIELD ASSISTANTS

[illegible]

L 60

CERTIFICATE OF CADASTRAL ENGINEER

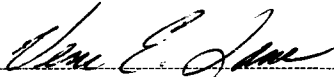
I, Vern E. Lane, HEREBY CERTIFY upon honor that, in
pursuance of special instructions bearing date of the 3rd day of August, 1936

I have ~~surveyed~~ supervised the dependent resurvey of the east boundary, and survey of
the north boundary and a portion of the subdivision of T. 19 S., R. 13 W.

of the Salt Lake Meridian, in the State of Utah, which are
represented in the foregoing field notes as having been executed ~~by me and under my direction~~ under my supervision
said survey has been made in strict conformity with said instructions, the Manual of Instructions for the
Survey of the Public Lands of the United States, and in the specific manner described in the foregoing
field notes.

Salt Lake City, Utah

March 4, 1960


Vern E. Lane
Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,
Washington, D. C., DEC 9 1960, 19

The foregoing field notes of the ~~survey of~~ dependent resurvey of the east boundary, and
survey of the north boundary and a portion of the subdivision of T. 19 S., R. 13 W.

Eldon W. Sibley, Cartographic Survey Aid, under the supervision of
executed by Vern E. Lane, Cadastral Surveyor

having been critically examined and found correct, are hereby approved.


Cadastral Engineering Staff Officer.

CERTIFICATE OF TRANSCRIPT

I certify that the foregoing transcript of the field notes of the dependent resurvey of the east boundary, and survey of the north boundary and a portion of the subdivision of T. 19 S., R. 13 W.
is a true copy of the original field notes.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ORIGINAL
FIELD NOTES

OF THE
SURVEY

OF THE

EAST AND NORTH BOUNDARIES

AND

A PORTION OF THE SUBDIVISION

OF

TOWNSHIP 19 SOUTH, RANGE 14 WEST

Of the Salt Lake Meridian,

in the State of Utah

EXECUTED BY

Vern E. Lane, Cadastral Surveyor (Chief of Party)

Lacel E. Bland, Cadastral Surveyor

Under special instructions dated August 3, 1936, which provided
and supplemental special instructions dated June 28, 1954
for the surveys included under Group No. 272, approved September 16, 1936
July 15, 1954
and assignment instructions dated May 1, 1959

Survey commenced May 14, 1959

Survey completed October 15, 1959

INDEX DIAGRAM

Township 19 South						Range 14 West	
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				17			
7	8	15 9	10	11	12	5	
		20					
18	17	14 16	19 15	14	13	4	
		19					
19	20	13 21	22	23	24	3	
30	29	12 28	27	26	25	2	
	22				11		
31	21 32	12 33	34	35	10 36	1	

Township, 19 South, Range, 14, West

Chains

The west boundary and a portion of the south boundary were surveyed by A. J. Stewart Jr. in 1884. The independent resurvey thereof and the survey of a portion of the south boundary are described in the field notes of T. 19 S., R. 15 W. and T. 20 S., R. 14 W., respectively.

The following field notes are those of the survey of the east and north boundaries and a portion of the subdivision of T. 19 S., R. 14 W., deemed sufficient to facilitate the development of the natural resources and mark the boundaries of those sections that are normally considered state school sections.

The survey was executed with a W. & L. E. Solar Transit No. 580515 constructed in accordance with the standard instrumental specifications of the Bureau of Land Management. The instrument was in good condition prior to the beginning of the survey and was maintained in proper adjustment throughout the progress of this survey.

Corners on east-west lines were set on the true latitudinal curve. Lines connecting previously established corners were run by random and true method, but for simplification of the record the random lines are omitted from the field notes. In accordance with the intent of the special instructions, all subdivisional corners established are calculated to be at the position they would occupy if the entire township were subdivided.

Measurements herein contained were made with a narrow steel tape, 8 chains in length, graduated every link for the first 100 links and thereafter at intervals of 10 links. The tape was tested by comparison with a 1 chain standard steel tape and found to be correct. Measurements were made on the slope with the vertical angle of each interval ascertained by a clinometer in good adjustment; horizontal equivalents alone are entered in the field notes. All lines of this survey were run by direct method where the lines were accessible; lines inaccessible were run by traverse or triangulation methods. Distances to topography on lines run by traverse or triangulation are approximately as scaled from U. S. G. S. topographic sheets. The details of such traverses or triangulations have been thoroughly checked and verified, and in order to simplify the record the diagrams and reductions are omitted from these field notes.

The direction of the lines of this survey were determined by reference to true meridians established on line by hour angle observations on Polaris or altitude observations on the sun. The lines were carried forward by sustained angulation being supplemented by other numerous altitude observations on the sun taken throughout the progress of the survey.

The geographic position for the southeast corner of the township is at latitude $39^{\circ} 06' 20.1''$ and longitude $113^{\circ} 21' 43.5''$ as adjusted from traverses to U. S. G. S. triangulation stations within the area.

The magnetic declination was read at a number of stations throughout the township and the average of these readings was found to be $16^{\circ} 30'$ East.

Survey of the East Boundary of T. 19 S., R. 14 W.

Beginning at the cor. of Ts. 19 and 20 S., Rs. 13 and 14 W., an iron post, $2\frac{1}{2}$ ins. diam., set, mkd., and witnessed as described in the field notes of T. 20 S., R. 14 W.,

North, bet. secs. 31 and 36.

Over mountainous land, through scattering timber; asc. 20 ft. over SE. slope.

442

T. 19 S. R. 14 W.

Chains

- 6.90 Top of ascent; ridge, bears E.; by triangulation, desc. about 320 ft. over broken N. slope.
- 15.00 Ravine, drains E.; asc. about 80 ft. over SE. slope.
- 20.00 Spur, projects E.; desc. about 80 ft. over NE. slope.
- 22.00 Ravine, drains SE.; asc. about 160 ft. over SE. slope.
- 28.00 Spur, bears E.; desc. about 160 ft. over NE. slope.
- 36.00 Ravine, drains SE.; asc. about 100 ft. over broken S. slope.
- 40.00 True point for the $\frac{1}{4}$ sec. cor. of secs. 31 and 36 falls on ledge where cor. cannot be perpetuated.
Asc. 50 ft. over ledgy S. slope.
- 41.50 End of triangulation.
Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 31 and 36.
Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 4 ins. in the ground to bedrock, and in a mound of stone to top, $3\frac{1}{2}$ ft. base, with brass cap mkd.
- T19S
R14W R13W
 $\frac{1}{4}$
S36|S31
W C
1959
- Asc. 410 ft. over steep S. slope.
- 57.00 Ridge, bears E. and S. 80° W.; desc. 270 ft. over broken NW. slope.
- 75.10 Spur, projects NW.; desc. 60 ft. over N. slope.
- 80.00 Point for the cor. of secs. 25, 30, 31 and 36.
Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 12 ins. in the ground to bedrock, and in a mound of stone to top, 4 ft. base, with brass cap mkd.
- T19S
R14W R13W
S25|S30
S36|S31
1959
- Land, mountainous.
Soil, rocky, clay, and sandy.
Timber, juniper and pinon.
- North, bet. secs. 25 and 30.
Over broken land, through scattering timber; desc. 130 ft. over N. slope.
- 6.80 Wash, 20 lks. wide, 2 ft. deep, drains W.; asc. 130 ft. over S. slope.
- 14.30 Spur, projects S. 80° W.; desc. 20 ft. over NW. slope.

E. Adv. T. 19 S. R. 14 W.

Chains

- 21.30 Slope changes to N. slope; desc. 330 ft.
- 36.10 Wash, 30 lks. wide, 2 ft. deep, drains N. 70° E.; thence along E. slope.
- 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 25 and 30.
- Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 22 ins. in the ground and in a mound of stone to top, 2 $\frac{1}{2}$ ft. base, with brass cap mkd.

T19S
R14W R13W

$\frac{1}{4}$
S25|S30
1959

- 40.60 Small wash, drains S. 80° E.
- 43.80 Base of steep ascent; asc. 600 ft. over ledgy SE. slope.
- 67.30 Spur, projects E.; desc. 120 ft. over NE. slope.
- 74.00 Ravine, drains SE. from head, 6.00 chs. NW.; asc. 200 ft. over SE. slope.
- 80.00 Point for the cor. of secs. 19, 24, 25 and 30.
- Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 3 ins. in the ground to bedrock and in a mound of stone to top, 3 $\frac{1}{2}$ ft. base, with brass cap mkd.

T19S
R14W R13W

S24|S19
S25|S30
1959

Land, mountainous.
Soil, rocky, clay, and sandy loam.
Timber, scattering juniper and pinon.

North, bet. secs. 19 and 24.

Over broken land, through scattering timber; asc. 50 ft. over SE. slope.

- 2.50 Ridge, projects S. 80° E.; by triangulation; desc. about 560 ft. over ledgy NE. slope.
- 23.00 Wash in canyon, drains N. 80° E.; asc. about 360 ft. over steep SE. slope.
- 38.50 End of triangulation; ridge, projects S. 70° E.; desc. 10 ft. over NE. slope.
- 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 19 and 24.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 15 ins. in the ground to bedrock, and in a mound of stone to top, 3 $\frac{1}{2}$ ft. base, with brass cap mkd.

R. 19 S. 14 W.

Chains		entad
	T19S R14W R13W 1/4 S24 S19 1959	
	By triangulation, desc. about 360 ft. over NE. slopes.	
52.00	Wash, 30 lks. wide, 3 ft. deep, drains S. 70° E.; asc. about 560 ft. over SW. slope.	
79.70	End of triangulation; narrow rocky spur, projects SE.; desc. 10 ft. over NE. slope.	
80.00	Point for the cor. of secs. 13, 18, 19 and 24. Set an iron post, 30 ins. long, 2 1/2 ins. diam., 3 ins. in the ground to bedrock, and in a mound of stone to top, 4 ft. base, with brass cap mkd.	
	T19S R14W R13W S13 S18 S24 S19 1959	
	Land, mountainous. Soil, rocky and sandy loam. Timber, juniper and pinon.	
	North, bet. secs. 13 and 18. Over mountainous land, through scattering timber; by triangulation, asc. about 150 ft. over SE. slope.	
18.00	Small ravine, drains SE.; asc. about 160 ft. over steep S. slope.	
26.50	End of triangulation; ridge, projects S. 80° E.; desc. 100 ft. over NE. slope.	
32.30	Base of descent, bears E. & W.; asc. 80 ft. over SE. slope.	
40.00	Point for the 1/4 sec. cor. of secs. 13 and 18. Set an iron post, 30 ins. long, 2 1/2 ins. diam., 4 ins. in the ground to bedrock and in a mound of stone to top, 3 1/2 ft. base, with brass cap mkd.	
	T19S R14W R13W 1/4 S13 S18 1959	
	Asc. 30 ft. over SE. slope.	
42.80	Top of ascent; spur, projects S. 80° E.	
43.10	Rim of near vertical ledge, 200 ft. high, bears E. and S. 70° W.; by triangulation, desc. about 1040 ft. over ledge and steep N. slope.	
63.00	Ravine, drains NE.; desc. about 160 ft. over N. slope.	
74.00	Main wash, 20 lks. wide, 3 ft. deep, drains E.	
74.20	End of triangulation; graded road, bears E. and W.	

E. Bdw. T. 11 S. R. 14 W.

Chains

75.30 Wash, 40 lks. wide, 1 ft. deep, drains SE.; asc. 20 ft. over SW. slope.

79.10 Small wash, drains S. 10° W.

80.00 Point for the cor. of secs. 7, 12, 13 and 18.

Set an iron post, 30 ins. long, 2½ ins. diam., 18 ins. in the ground and in a mound of stone to top, 2½ ft. base, with brass cap mkd.

T19S

R14W R13W

S12 S 7

S13 S18

1959

Land, mountainous.

Soil, rocky, clay, and sandy loam.

Timber, juniper and pinon.

North, bet. secs. 7 and 12.

Over broken mountainous land, through medium dense timber; by triangulation, asc. about 80 ft. over SW. slope.

14.00 Ravine, drains W.; asc. about 440 ft. over steep broken SW. slope.

29.00 End of triangulation.

Top of broken ledges, 30 ft. high, bears SE. and N. 20° W.; asc. 80 ft. over broken SW. slope.

40.00 True point for the ¼ sec. cor. of secs. 7 and 12 falls on small ledge where cor. cannot be perpetuated.

40.13 Point selected for the witness ¼ sec. cor. of secs. 7 and 12.

Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground to bedrock and in a mound of stone to top, 3 ft. base, with brass cap mkd.

T19S

R14W R13W

¼

S12 S 7

W C

1959

Asc. 40 ft. over broken SW. slope.

42.00 Thence along W. slope.

52.40 Slope changes to SW. slope; asc. 140 ft.

62.10 Spur, slopes W.; desc. 240 ft. over NW. slope.

80.00 Point for the cor. of secs. 1, 6, 7 and 12.

Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to bedrock and in a mound of stone to top, 3 ft. base, with brass cap mkd.

T19S

R14W R13W

S 1 S 6

S12 S 7

1959

Land, broken mountainous.

E. 19 S. R. 14 W.

Chains

ended

Soil, rocky, clay, and sandy loam.

Timber, medium dense juniper and pinon.

North, bet. secs. 1 and 6.

Over mountainous land, through medium dense timber.

1.10 Wash, 20 lks. wide, 5 ft. deep, drains SW.; asc. 40 ft. over SW. slope.

4.00 Spur, slopes SW.; thence along W. slope.

16.70 Ravine, drains SW.; asc. 130 ft. over SE. slope.

27.10 Same ravine, heads 8.00 chs. NW., drains SE.; asc. 190 ft. over SE. slope.

37.20 Ridge, bears W.; desc. 15 ft. over NW. slope.

40.00 Point for the $\frac{1}{2}$ sec. cor. of secs. 1 and 6.Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground to bedrock and in a mound of stone to top, 3 ft. base, with brass cap mkd.

T19S

R14W R13W

 $\frac{1}{2}$

S 1 | S 6

1959

Desc. 70 ft. over NW. slope, through dense timber.

47.70 Fence, 1 barb wire, bears E. and W.; desc. 290 ft. over NW. slope.

76.20 Ravine, drains NE.; thence along E. slope.

80.00 Point for the cor. of Ts. 18 and 19 S., Rs. 13 and 14 W.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground to bedrock, and in a mound of stone to top, $4\frac{1}{2}$ ft. base, with brass cap mkd.

T18S

R14W R13W

S36 | S31

S 1 | S 6

T19S

1959

Land, mountainous.

Soil, rocky, clay, and sandy loam.

Timber, juniper and pinon.

Survey of the North Boundary of T. 19 S., R. 14 W.

From the cor. of Ts. 18 and 19 S., Rs. 13 and 14 W., an iron post, $2\frac{1}{2}$ ins. diam., heretofore described.S. $89^{\circ} 58'$ W., bet. secs. 1 and 36.

Over broken land, through medium dense timber; asc. 30 ft. over E. slope.

Survey, N. Rdy., T. 19 S., R. 14 W.

Chains	
2.80	Low ridge, bears N. and S.; desc. 70 ft. over W. slope.
8.80	Ravine, drains N. 10° W.; asc. 80 ft. over E. slope.
15.20	Ridge, bears N. and S.; desc. 240 ft. over NW. slope.
38.50	Ravine, drains NE.; asc. 50 ft. over E. slope.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 1 and 36. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 18 ins. in the ground and in a mound of stone to top, 3 ft. base, with brass cap mkd. <div style="text-align: center;">T18S R14W $\frac{1}{4}$ $\frac{S36}{S 1}$ T19S 1959 Asc. 310 ft. over steep E. slope.</div>
46.60	Spur, bears N. 20° E.; desc. 120 ft. over NW. slope.
54.00	Ravine, drains N.; asc. 150 ft. over NE. slope.
73.50	Spur, projects N.; desc. 40 ft. over W. slope.
77.10	Reservoir, 2.00 chs. diam.; asc. 20 ft. over E. slope.
79.40	Mining road, bears N. and S. 10° W.
80.00	Point for the cor. of secs. 1, 2, 35 and 36. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd. <div style="text-align: center;">T18S R14W $\frac{S35}{S 2}$ $\frac{S36}{S 1}$ T19S 1959 Raise a mound of stone, 2 ft. base, 2 ft. high, W. of cor. Land, broken, mountainous. Soil, rocky, clay and sandy loam. Timber, juniper and pinon.</div>
	S. 89° 58' W., bet. secs. 2 and 35. Over rolling mountainous land, through scattering timber; asc. 30 ft. over E. slope.
6.60	Mining road, bears SW. and NE.
8.70	Mining road, bears SW. and N. 40° E.; asc. 110 ft. over rolling SE. slope.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 35. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd. <div style="text-align: center;">T18S R14W $\frac{1}{4}$ $\frac{S35}{S 2}$ T19S 1959 No accessories available. Asc. 40 ft. over SE. slope.</div>
46.40	Mining road, bears N. 30° W. and S. 20° E.; asc. 40 ft. over SE. slope.
67.70	Mining road, bears N. and S. 70° E.; asc. 120 ft. over E. slope.
78.50	Spur, bears S. 70° E.; desc. 20 ft. over SW. slope.
80.00	Point for the cor. of secs. 2, 3, 34 and 35.

Survey, N. T. 19 S., R. 14 W.

Chains

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the with brass cap mkd.

T18S R14W
S34 S35
S 3 S 2
T19S
1959

Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor.

Cor. is located in small swale, draining S.

Land, rolling mountains.
Soil, clay and sandy loam.
Timber, scattering juniper and pinon.

S. 89° 58' W., bet. secs. 3 and 34.

Over rolling mountainous land, through scattering timber; asc. 130 over E. slope.

5.50 Top of pinnacle, 25 ft. high.

6.50 Rocky knob, 20 ft. high; desc. 40 ft. over SW. slope.

12.00 Base of descent, drains S.; mining road, bears S. 80° E. and S. 80° W. asc. 340 ft. over steep E. slope.

37.20 Top of ascent on S. slope of rocky ridge, bears N. 30° E. and S. 10° W.; desc. 150 ft. over badly broken W. slope.

39.66 Point selected for the witness ¼ sec. cor. of secs. 3 and 34.

Set an iron post, 30 ins. long, 2½ ins. diam., 18 ins. in the ground and in a mound of stone to top, 3½ ft. base, with brass cap mkd.

T18S R14W
W. ¼ S34
C ¼ S 3
T19S
1959

40.00 True point for the ¼ sec. cor. of secs. 3 and 34 falls on W. slope of a large boulder where cor. cannot be perpetuated.

Desc. 480 ft. over steep and badly broken W. slope.

55.00 Ravine drains NW.; asc. 30 ft. over NE. slope.

57.60 Spur, slopes N.; desc. 600 ft. over steep and badly broken NW. slope.

80.00 Point for the cor. of secs. 3, 4, 33 and 34.

Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the to bedrock, and in a mound of stone to top, 3½ ft. base, with brass cap mkd.

T18S R14W
S33 S34
S 4 S 3
T19S
1959

Land, mountainous, badly broken.
Soil, boulders and clay.
Timber, pine, pinon and juniper.

Survey N., T. 19 S., R. 14 W.

Chains

S. 89° 58' W., bet. secs. 4 and 33.

Over badly broken mountainous land, through medium dense timber; desc. 160 ft. over NW. slope.

15.00 Spur, bears N. 60° W.; desc., by triangulation, about 760 ft. over steep and broken NW. slope.

39.35 End of triangulation.

Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 4 and 33.

Set an iron post, 30 ins. long, 2½ ins. diam., over a cross (X) on solid rock, and in a mound of stone to top, 3½ ft. base, with brass cap mkd.

T18S R14W

W $\frac{1}{4}$ S33C $\frac{1}{4}$ S 4

T19S

1959

40.00 True point for the $\frac{1}{4}$ sec. cor. of secs. 4 and 33 falls on large boulder, where cor. cannot be perpetuated.

By triangulation, desc. about 400 ft. over badly broken NW. slope.

63.00 Spur, bears N. 60° W.; desc. about 320 ft. over steep and badly broken W. slope.

74.00 Wash in canyon, 50 lks. wide, 3 ft. deep, drains SW.; asc. about 120 ft. over steep SE. slope.

80.00 End of triangulation.

Point for the cor. of secs. 4, 5, 32 and 33.

Set an iron post, 30 ins. long, 2½ ins. diam., 3 ins. in the ground to bedrock, and in a mound of stone to top, 4 ft. base, with brass cap mkd.

T18S R14W

S32 S33

S 5 S 4

T19S

1959

Land, badly broken, mountainous.

Soil, boulders and clay.

Timber, juniper and pinon.

S. 89° 58' W., bet. secs. 5 and 32.

Over mountainous land, through scattering timber; asc. 200 ft. over steep SE. slope.

14.50 Spur, bears SW.; desc. 650 ft. over steep W. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 5 and 32.

Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground to bedrock, and in a mound of stone to top, 3½ ft. base, with brass cap mkd.

T18S R14W

 $\frac{1}{4}$ S32

S 5

T19S

1959

Chains

enian)

Desc. 330 ft. over steep W. slope; asc. 100 ft. over rolling W. slope.

59.50 Wash, 40 yds. wide, 5 ft. deep, drains N. 30° W.; desc. 50 ft. over rolling W. slope.

80.00 Point for the cor. of secs. 5, 6, 31 and 32. A stake, 100 ft.

Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground to bedrock, and in a mound of stone to top, 4 ft. base, with brass cap mkd.

T18S R14W

S31 S32

S 6 S 5

T19S

1959

Land, broken and rolling.
Soil, rocky, clay and sandy.
Timber, scattering juniper.

S. 89° 58' W., bet. secs. 6 and 31.

Over rolling land; desc. 180 ft. over rolling W. slope.

40.00 Point for the ¼ sec. cor. of secs. 6 and 31.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T18S R14W

S31 S32

¼ S 6

T19S

1959

Raise a mound of stone, 2½ ft. base, 2 ft. high, N. of cor.

Desc. 110 ft. over rolling W. slope.

65.60 Small wash, drains N. 60° W.; desc. 100 ft. over rolling W. slope.

77.80 The cor. of Tps. 18 and 19 S., Rs. 14 and 15 W., an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the field notes of T. 19 S., R. 15 W. surveyed concurrently under Group 407.

Land, rolling.
Soil, gravel, clay and sand.
Timber, none.

Survey of a Portion of the Subdivision of T. 19 S., R. 14 W.

From the cor. of secs. 1, 2, 35 and 36 on the S. bdy. of the Tp., an iron post, 2½ ins. diam., as described in the field notes of the survey of T. 20 S., R. 14 W.

N. 0° 01' W., bet. secs. 35 and 36.

Over broken mountainous land; through scattering timber; by triangulation, asc. about 640 ft. over ledges, facing SW.

19.20 End of triangulation.
Top of ascent, bears N. 60° W. and S. 60° E.; desc. 620 ft. over steep and broken NE. slope.

Portion of Subdivision T. 19 S. R. 14 W.

Chains

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 35 and 36.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 15 ins. in the ground to bedrock, and in a mound of stone to top, $3\frac{1}{2}$ ft. base, with brass cap mkd.

T19S R14W

$\frac{1}{4}$
S35|S36

1959

Desc. 200 ft. over steep and broken NE. slope.

45.70 Wash in canyon, 50 lks. wide, 2 ft. deep, drains N. 60° W.; asc. 160 ft. over steep ledgy SW. slope.

55.30 Top of ascent on W. slope; desc. 240 ft. over steep NW. slope.

64.70 Wash, 40 lks. wide, 2 ft. deep, drains S. 30° E.; asc. 370 ft. over steep ledgy S. slope.

76.20 Spur, bears S. 60° E.; desc. 30 ft. along E. slope.

80.00 Point for the cor. of secs. 25, 26, 35 and 36.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 2 ins. in the ground to bedrock, and in a mound of stone to top, 4 ft. base, with brass cap mkd.

T19S R14W

$\frac{1}{4}$
S26|S25
S35|S36

1959

Land, badly broken.

Soil, rocky, clay and sandy.

Timber, scattering juniper and pinon.

From the cor. of secs. 25, 30, 31 and 36 on the E. bdy. of the Tp.

S. $89^\circ 54'$ W., bet. secs. 25 and 36.

Over rolling mountainous land, through scattering timber; desc. 230 ft. over rolling NW. slope.

39.99 Point for the $\frac{1}{4}$ sec. cor. of secs. 25 and 36.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 2 ins. in the ground to bedrock, and in a mound of stone to top, 4 ft. base, with brass cap mkd.

T19S R14W

$\frac{1}{4}$
S25
S36

1959

Desc. 110 ft. over NW. slope.

49.10 Wash, 40 lks. wide, 2 ft. deep, drains SW.; asc. 70 ft. over SE. slope.

55.10 Small wash, drains SE.; asc. 200 ft. over SE. slope.

64.00 Spur, slopes S.; desc. 220 ft. over steep SW. slope.

75.30 Wash, 20 lks. wide, 2 ft. deep, drains S. 30° E.; asc. 170 ft. over steep SE. slope.

Chains

- 79.98 The cor. of secs. 25, 26, 35 and 36: 00.00
Land, rolling and broken.
Soil, rocky, clay and sandy loam.
Timber, scattering juniper and pinon.
- From the cor. of secs. 4, 5, 32 and 33 on the S. bdy. of the Tp., an iron post, 2½ ins. diam., as described in the field notes of the T. 20 S., R. 14 W.
- N. 0° 03' W., bet. secs. 32 and 33.
- Over rolling land.
- 1.00 Wash, 30 lks. wide, 2 ft. deep, drains N. 70° W.; asc. 80 ft. over rolling SW. slope.
- 40.00 Point for the ¼ sec. cor. of secs. 32 and 33.
- Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.
- T19S R14W
S32|S33
1959
- Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor.
- Asc. 160 ft. over rolling SW. slope.
- 80.00 Point for the cor. of secs. 28, 29, 32 and 33.
- Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.
- T19S R14W
S29|S28
S32|S33
1959
- Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor.
- Land, rolling.
- Soil, rocky, gravelly, clay and sandy.
- Timber, none.
- N. 0° 03' W., bet. secs. 28 and 29.
- Over rolling land; asc. 280 ft. over SW. slope.
- 33.10 Spur, bears W.; desc. 30 ft. over NW. slope.
- 40.00 Point for the ¼ sec. cor. of secs. 28 and 29.
- Set an iron post, 30 ins. long, 2½ ins. diam., 15 ins. in the ground to bedrock, and in a mound of stone to top, 3½ ft. base, with brass cap mkd.

Survey, Portion of Subdivision, T. 19 S., R. 14 W.

Chains

T19S R14W

 $\frac{1}{4}$

S29|S28

1959

Desc. 20 ft. over NW. slope.

43.50 Wash, 20 lks. wide, 2 ft. deep, drains S. 80° W.; asc. 60 ft. over SW. slope.

57.30 Small wash, drains S. 70° W.; asc. 310 ft. over steeper SW. slope.

78.60 Top of ascent on W. slope; desc. 10 ft. over NW. slope.

80.00 Point for the cor. of secs. 20, 21, 28 and 29.

Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to bedrock, and in a mound of stone to top, 3½ ft. base, with brass cap mkd.

T19S R14W

S20|S21

S29|S28

1959

Land, rolling.

Soil, rocky, clay and sandy.

Timber, none.

N. 0° 03' W., bet. secs. 20 and 21.

Over rolling land, through scattering juniper; desc. 40 ft. over NW. slope.

3.50 Wash, 20 lks. wide, 3 ft. deep, drains SW.; asc. 40 ft. over SW. slope.

14.70 Wash, 1.00 ch. wide, 4 ft. deep, drains SW.; asc. 20 ft. over SW. slope.

21.50 Slope changes to W. slope.

25.10 Wash, 30 lks. wide, 3 ft. deep, drains W.

29.50 Wash, 30 lks. wide, 6 ft. deep, drains W.

31.30 Begin ascent over SW. slope; asc. 90 ft.

39.50 Top of ascent on W. slope; desc. 20 ft. over NW. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 20 and 21.

Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground to bedrock, and in a mound of stone to top, 3½ ft. base, with brass cap mkd.

T19S R14W

 $\frac{1}{4}$

S20|S21

1959

Desc. 40 ft. over NW. slope.

41.40 Wash, 20 lks. wide, 3 ft. deep, drains S. 70° W.; asc. 40 ft. over SW. slope.

44.40 Wash, 20 lks. wide, 1 ft. deep, drains SW.; asc. 130 ft. over SW. slope.

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Portion of Subdivision, T. 19 S., R. 14 W.

Chains

48.80 Spur, bears S. 70° W.

52.50 Wash, 20 lks. wide, 3 ft. deep, drains W.; asc. 610 ft. over steep S. slope.

68.60 Spur, bears SW.; thence along steep broken W. slope.

78.90 Spur, bears N. 80° W.; desc. 50 ft. over steep N. slope.

80.00 Point for the cor. of secs. 16, 17, 20 and 21.

Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to bedrock, and in a mound of stone to top, 3½ ft. base, with brass cap mkd.

T19S R14W

S17|S16

S20|S21

1959

Land, rolling and broken.
Soil, rocky, clay and sandy.
Timber, scattering juniper.

N. 0° 03' W., bet. secs. 16 and 17.

Over broken mountainous land, through scattering timber; by triangulation, desc. about 520 ft. over steep and broken N. slope.

12.00 Bottom of canyon, 4.00 chs. wide, drains N. 80° W.; asc. about 360 ft. over steep and broken S. slope.

26.30 End of triangulation; spur, bears S. 60° W.; desc. 310 ft. over steep and broken NW. slope.

40.00 Point for the ¼ sec. cor. of secs. 16 and 17.

Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground to bedrock, and in a mound of stone to top, 3½ ft. base, with brass cap mkd.

T19S R14W

S17|S16

1959

By triangulation, desc. about 80 ft. over broken NW. slope.

46.00 Bottom of canyon, 1.50 chs. wide, drains SW.; asc. about 800 ft. over steep and broken S. slope.

66.40 End of triangulation; spur, bears SW.; desc. 120 ft. over NW. slope.

80.00 True point for the cor. of secs. 8, 9, 16 and 17 falls on small ledge, facing NW., where cor. cannot be perpetuated.

Land, broken mountains.
Soil, rocky, clay and sandy.
Timber, scattering juniper and pinon.

Survey Portion of Subdivis T. 19 S., R. 14 W.

Chains

N. 0° 03' W., bet. secs. 8 and 9.

Over broken mountainous land, through scattering timber.

0.10 Point selected for the witness cor. of secs. 8, 9, 16 and 17.

Set an iron post, 30 ins. long, 2½ ins. diam., over a cross (X) on solid rock, and in a mound of stone to top, 4 ft. base, with brass cap mkd.

T19S R14W

S 8 | S 9

S17 | S16

W C

1959

By triangulation; desc. about 30 ft. over NW. slope.

3.00 Wash, 20 lks. wide, 2 ft. deep, drains SW.; asc. about 480 ft. over steep and broken SE. slope.

22.90 Ridge, bears SW.; desc. about 120 ft. over NW. slope.

30.00 Base of descent on steep W. slope; asc. about 160 ft. over SW. slope.

39.60 End of triangulation; ridge, bears N. 70° W.; desc. 10 ft. over N. slope.

40.00 Point for the ¼ sec. cor. of secs. 8 and 9.

Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground to bedrock, and in a mound of stone to top, 3½ ft. base, with brass cap mkd.

T19S R14W

¼

S 8 | S 9

1959

By triangulation, desc. about 480 ft. over steep and broken N. slope.

51.00 Wash, 30 lks. wide, 2 ft. deep, drains NW.; thence along broken W. slope.

69.50 End of triangulation; rocky spur, bears NW.; desc. 300 ft. over steep and broken NE. slope.

80.00 Point for the cor. of secs. 4, 5, 8 and 9.

Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to bedrock, and in a mound of stone to top, 3½ ft. base, with brass cap mkd.

T19S R14W

S 5 | S 4

S 8 | S 9

1959

Land, broken mountains.

Soil, rocky, clay and sandy.

Timber, scattering juniper and pinon.

Survey Portion of Subdivision, T. 19 S., R. 14 W.

Chains

N. 0° 01' W., bet. secs. 4 and 5.

Over broken mountainous land, through scattering timber; by triangulation, desc. about 80 ft. over N. slope.

3.40 Wash, 30 lks. wide, 2 ft. deep, drains NW., 4.00 chs., thence W.; asc. about 200 ft. over steep SW. slope.

15.20 Spur, bears W.; desc. about 720 ft. over steep and broken NW. slope.

31.00 Wash in canyon, 40 lks. wide, 2 ft. deep, drains N. 60° W.; asc. about 280 ft. over badly broken SW. slope.

40.00 True point for the $\frac{1}{2}$ sec. cor. of secs. 4 and 5 falls on ledgy SW. slope where cor. cannot be perpetuated.

Asc. about 120 ft. over broken SW. slope.

43.95 End of triangulation; point selected for the witness $\frac{1}{2}$ sec. cor. of secs. 4 and 5.Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., over a cross (X) on solid rock, and in a mound of stone to top, 4 ft. base, with brass cap mkd.

T19S R14W

 $\frac{1}{2}$ S 5 $\frac{1}{2}$ S 4

W G

1959

By triangulation, asc. about 240 ft. over ledgy SW. slope.

47.00 Spur, bears N. 60° W.; desc. about 760 ft. over badly broken NW. slope.

75.00 Wash in canyon, 50 lks. wide, 3 ft. deep, drains SW.; asc. about 160 ft. over Steep SE. slope.

80.20 End of triangulation.
The cor. of secs. 4, 5, 32 and 33 on the N. bdy. of the Tp.Land, badly broken mountains.
Soil, boulders, clay.
Timber, scattering juniper and pinon.

From the cor. of secs. 2, 3, 34 and 35 on the N. bdy. of the Tp.

S. 0° 01' E., bet. secs. 2 and 3.

Over rolling and broken mountainous land, through scattering timber; desc. 40 ft. over SE. slope.

4.70 Mining road, bears N. 60° W. and S. 80° E.

5.90 Wash, 10 lks. wide, 2 ft. deep, drains E.; asc. 210 ft. over rocky NE. slope.

20.70 Top of ascent on E. slope; desc. 50 ft. over SE. slope.

26.40 Small wash, drains NE.; asc. 150 ft. over N. slope.

37.50 Slope changes to NW. slope; asc. 90 ft.

40.10 Point for the $\frac{1}{2}$ sec. cor. of secs. 2 and 3.

Subdiv. Portion of Subdivision, T. 19 S. R. 14 W.

Chains

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 15 ins. in the ground to bedrock, and in a mound of stone to top, $3\frac{1}{2}$ ft. base, with brass cap mkd.

T19S R14W

$\frac{1}{4}$

S 3 | S 2

1959

Asc. 190 ft. over NW. slope.

51.00 Top of ascent, bears E. and SW.; desc. 70 ft. over SE. slope.

66.90 Ridge, bears E.; desc. 30 ft. over SE. slope.

72.70 Mining road, bears NE. and N. 70° W.; desc. 100 ft. over SE. slope.

79.30 Ravine, near head, drains SE.; asc. 20 ft. over NE. slope.

79.90 Point selected for the witness cor. of secs. 2, 3, 10 and 11.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 4 ins. in the ground to bedrock and in a mound of stone to top, 4 ft. base, with brass cap mkd.

T19S R14W

S 3 | S 2

S10 | S11

W C

1959

80.10 True point for the cor. of secs. 2, 3, 10 and 11 falls on steep E. slope of sandstone where cor. cannot be perpetuated.

Land, rolling mountains.

Soil, rocky, clay and sandy loam.

Timber, scattering juniper, pinon, aspen and mahogany.

From the cor. of secs. 2, 3, 10 and 11.

N. $89^\circ 56'$ E., bet. secs. 2 and 11 on a theoretical parallel connecting the cor. of secs. 1, 6, 7 and 12 on the E. bdy. and the cor. of secs. 4, 5, 8 and 9 as specified in the special instructions.

Over broken mountainous land, through scattering timber; desc. 40 ft. over NE. slope.

1.90 Ravine, drains SW.; desc. 140 ft. over E. slope.

10.30 Base of descent, drains S.; asc. 30 ft. over SW. slope.

18.30 Spur, bears S. 30° E.; desc. 280 ft. over broken SE. slope.

36.20 Ravine, drains S. 20° E.; asc. 30 ft. over SW. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 11.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground to bedrock, and in a mound of stone to top, $3\frac{1}{2}$ ft. base, with brass cap mkd.

Portion of Subdivision T. 19 S. R. 14 W.

Chains

T19S R14W

S 2

S11

1959

Asc. 20 ft. over SW. slope.

41.90 Top of ascent on S. slope; desc. 410 ft. over broken SE. slope, through dense timber.

64.80 Ravine, drains S. 20° E.; asc. 20 ft. over SW. slope.

69.80 Top of ascent on S. slope; desc. 60 ft. over SE. slope.

74.80 Base of descent, drains S.; asc. 80 ft. over SW. slope.

80.00 True point for the cor. of secs. 1, 2, 11 and 12 falls on rocky W. slope where cor. cannot be perpetuated.

Point selected for the witness cor. of secs. 1, 2, 11 and 12 bears N. 0° 02' W., 0.06 chs. dist.

Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground to bedrock, and in a mound of stone to top, 4 ft. base, with brass cap mkd.

T19S R14W

S 2 | S 1

S11 | S12

W C

1959

Land, rolling and broken.
Soil, rocky, clay and sandy loam.
Timber, juniper, pinon and mahogany.

From the true point for the cor. of secs. 1, 2, 11 and 12.
N. 0° 02' W., bet. secs. 1 and 2.
Over broken land, through scattering timber.

.06 The witness cor. of secs. 1, 2, 11 and 12 heretofore described; asc. 450 ft. over steep S. slope.

16.40 Ridge, bears S. 80° E.; desc. 300 ft. over N. slope.

40.00 Point for the ¼ sec. cor. of secs. 1 and 2.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T19S R14W

S 2 | S 1

S11 | S12

1959

No available accessories.

Desc. 150 ft. over N. slope.

63.80 Mining road, bears E. and W.; desc. 40 ft. over N. slope.

72.30 Wash, 20 lks. wide, 5 ft. deep, drains NE.; asc. 10 ft. over SE. slope.

77.80 Mining road, bears N. 10° E. and S. 20° W.

Survey of Subdivision, T₁₉S., R₁₄W.

Chains

80.01 The cor. of secs. 1, 2, 35 and 36 on the N. bdy. of the Tp.

Land, broken and rolling.

Soil, rocky, clay and sandy loam.

Timber, juniper and pinon.

From the cor. of secs. 16, 17, 20 and 21.

N. 89° 59' E., bet. secs. 16 and 21.

Over broken mountainous land, through scattering timber; asc. 130 ft. over steep NW. slope.

3.90 Top of ascent on N. slope; desc. 240 ft. over steep and broken N. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 16 and 21.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 8 ins. in the ground to bedrock, and in a mound of stone to top, 4 ft. base, with brass cap mkd.

T19S R14W

S16

$\frac{1}{4}$ S21

1959

Asc. 50 ft. along N. slope.

49.50 Enter wash, in canyon, 1.50 chs. wide, 4 ft. deep, drains N. 80° W.; asc. 160 ft. over SW. slope, in wash.

67.00 Wash forks; wash, 1.00 ch. wide, 3 ft. deep, drains from SE.; asc. 180 ft. in wash, 50 lks. wide, 3 ft. deep,

80.00 True point for the cor. of secs. 15, 16, 21 and 22 falls in wash where cor. cannot be perpetuated.

The point selected for the witness cor. of secs. 15, 16, 21 and 22 bears N. 0° 02' W., 0.70 chs.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 4 ins. in the ground to bedrock, and in a mound of stone to top, 4 ft. base, with brass cap mkd.

T19S R14W

S16 | S15

S21 | S22

W C

1959

Land, broken.

Soil, rocky, clay, and sandy.

Timber, Juniper and pinon.

From the true point for the sec. cor. of secs. 15, 16, 21 and 22.

N. 0° 02' W., bet. secs. 15 and 16.

Over badly broken mountainous land, through scattering timber.

.70 The witness cor. of secs. 15, 16, 21 and 22 heretofore described.

Portion of T19S, R14W.

Chains	
	By triangulation, asc. about 1800 ft. over ledges, facing SW.
20.00	Spur, slopes SW.; thence along steep W. slope.
27.00	Ravine, drains SW.; asc. about 120 ft. over steep SW. slope.
31.00	Spur, slopes sharply SW.; desc. about 120 ft. over steep NW. slope.
34.00	Ravine, drains SW.; asc. about 440 ft. over steep and badly broken SW. slope.
40.00	True point for the $\frac{1}{2}$ sec. cor. of secs. 15 and 16 falls on ledgy S. slope where cor. cannot be perpetuated.
41.00	End of triangulation. Point selected for the witness $\frac{1}{2}$ sec. cor. of secs. 15 and 16. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 3 ins. in the ground to bedrock, and in a mound of stone to top, 4 ft. base, with brass cap mkd. T19S R14W * S16 S15 W C 1959 Asc. 80 ft. over SW. slope.
44.20	Ridge, bears S. 80° W.; by triangulation, desc. about 440 ft. over steep and badly broken NW. slope.
49.00	Bottom of small canyon, bears N. 60° W.; asc. about 200 ft. over steep SW. slope.
63.00	Spur, bears NW.; desc. about 160 ft. over broken NW. slope.
69.00	Bottom of small canyon, drains W.; asc. about 120 ft. over SW. slope.
75.00	Small spur, bears SW.; desc. about 40 ft. over NW. slope.
79.66	End of triangulation. Point selected for the witness cor. of secs. 9, 10, 15 and 16. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 2 ins. in the ground to bedrock, and in a mound of stone to top, 4 ft. base, with brass cap mkd. T19S R14W W C S 9 S10 S16 S15 1959
80.00	True point for the cor. of secs. 9, 10, 15 and 16 falls in small canyon, draining SW., where cor. cannot be perpetuated. Land, badly broken mountains. Soil, rocky, clay, and sandy. Timber, juniper and pinon.
	From the true point for the cor. of secs. 9, 10, 15 and 16, S. 89° $54'$ W., bet. secs. 9 and 16, Over broken mountainous land, through medium dense timber; by triangulation, along S. slope.

Portion of Subdivision, T. 19 S., R. 14 W.

Chains

- 7.00 Spur, bears S. 60° W.; desc. about 760 ft. over badly broken W. slope.
- 26.00 Bottom of canyon, drains SW.; asc. about 80 ft. over broken S. slope.
- 39.99 True point for the $\frac{1}{4}$ sec. cor. of secs. 9 and 16 falls on badly broken S. slope where cor. cannot be perpetuated.
- Asc. about 240 ft. over badly broken SE. slope.
- 47.80 Rim of canyon, bears N. 60° E. and S. 60° W.
- 48.16 End of triangulation.
Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 9 and 16.
- Set an iron post, 30 ins. long, 2½ ins. diam., over a cross (X) on solid sandstone, and in a mound of stone to top, 3½ ft. base, with brass cap mkd.
- T19S R14W
 $\frac{1}{4}$ S 9 W
S16 C
1959
- 48.50 Narrow sandstone spur, bears S. 30° E.; by triangulation, desc. about 80 ft. over SW. slope.
- 54.00 Rocky spur, bears S. 10° W.; desc. about 160 ft. over steep W. slope.
- 58.00 Head of small canyon, drains S. 30° W.; asc. about 40 ft. over SE. slope.
- 67.00 End of triangulation; ridge, bears SW.; desc. 310 ft. over steep NW. slope.
- 79.98 The true point for the cor. of secs. 8, 9, 16 and 17.
- Land, badly broken.
Soil, boulders, clay and sandy.
Timber, juniper and pinon.
-
- From the cor. of secs. 5, 6, 31 and 32 on the S. bdy. of the Tp.
N. 0° 03' W., bet. secs. 31 and 32.
- Over gently rolling land; asc. 20 ft. over gentle SW. slope.
- 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 31 and 32.
- Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.
- T19S R14W
 $\frac{1}{4}$ S31 S32
1959
- Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor.
- Asc. 100 ft. over gently rolling SW. slope.
- 79.00 Wash, 30 lks. wide, 3 ft. deep, drains S. 80° W.
- 80.00 Point for the cor. of secs. 29, 30, 31 and 32.
- Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

Survey, Portion of Subdivision, T. 19 S., R. 14 W.

Chains

T19S R14W

S30|S29

S31|S32

1959

Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor.

Land, gently rolling.

Soil, gravelly, clay, and sandy loam.

Timber, none.

From the cor. of secs. 28, 29, 32 and 33.

S. 89° 59' W., bet. secs. 29 and 32.

Over rolling land; desc. 70 ft. over SW. slope.

13.20 Wash, 30 lks. wide, 2 ft. deep, drains SW.

18.10 Wash, 30 lks. wide, 2 ft. deep, drains SW.; desc. 70 ft. over SW. slope.

30.90 Wash, 50 lks. wide, 2 ft. deep, drains SW.; desc. 20 ft. over SW. slope.

39.30 Wash, 20 lks. wide, 4 ft. deep, drains SW.

40.015 Point for the ¼ sec. cor. of secs. 29 and 32.

Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to bedrock and in a mound of stone to top, 3 ft. base, with brass cap mkd.

T19S R14W

S29

¼ S32

1959

Desc. 60 ft. over SW. slope.

56.80 Ravine, drains SW.; desc. 30 ft. over SW. slope.

63.90 Wash, 20 lks. wide, 2 ft. deep, drains SW.; desc. 50 ft. over SW. slope.

80.03 The cor. of secs. 29, 30, 31 and 32.

Land, rolling.

Soil, rocky, clay and sandy.

Timber, none.

General Description

The land within this township is broken mountains divided by a high range through the center of the township. The west portion of the township is rolling desert valley. The elevation varies from 9655 feet above sea level on Notch Peak to 4500 feet above sea level on the desert.

The soil is composed of gravel, sandy loam, and clay on the desert and boulders, rocks, clay, and sandy loam on the mountains.

The timber is composed of pinon, juniper, pine and mahogany on the mountains, of little commercial value.

Township 19 South, Range 14 West

Chains

Painter Springs is located in section 5, which has a pipeline to a water tank in the northeast corner of section 1, T. 19 S., R. 15 W. Small reservoirs were noted in sections 1, 2 and 3.

Principal users of the area are sheepmen on the desert and cattlemen on the mountains. Access into the township is provided by desert and mining roads. Helicopters provided partial access to the survey lines.

Tungsten and gold mines were noted on the mountains.

Jack Al Smith, Director of Personnel, U.S. Navy

Chains

Revised:

1. The purpose of this document is to provide information regarding the status of the project and the progress made to date.

[illegible]

• **Prevalence** – the proportion of the population with a disease at a particular point in time

FIELD ASSISTANTS

$$\|x\|_2 = \sqrt{x_1^2 + x_2^2} = 1$$

CERTIFICATE OF CADASTRAL ENGINEER

I, Vern E. Lane, HEREBY CERTIFY upon honor that,
pursuance of special instructions bearing date of the 3rd day of August, 1960,
I have ~~successfully~~ supervised the survey of the east and north boundaries and a
of the subdivision of T. 19 S., R. 14 W.

of the Salt Lake Meridian, in the State of Utah, which
represented in the foregoing field notes as having been executed ~~by me and under my direction~~ under my supervision and
said survey has been made in strict conformity with said instructions, the Manual of Instructions for
Survey of the Public Lands of the United States, and in the specific manner described in the f
field notes.

Salt Lake City, Utah
February 1, 1960


Vern E.
Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,
Washington, D. C., DEC 9 1960, 1960

The foregoing field notes of the survey of the east and north and a
of the subdivision of T. 19 S., R. 14 W., Salt Lake Meridian, Utah

executed by Lacel E. Bland, Cadastral Surveyor, under the supervision of
Vern E. Lane, Cadastral Surveyor
having been critically examined and found correct, are hereby approved.


Cadastral Engineering Staff Officer.

CERTIFICATE OF TRANSCRIPT

The foregoing is a true copy of the original surveys in
is a true copy of the original

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ORIGINAL

FIELD NOTES

OF THE SURVEY OF

THE NORTH BOUNDARY AND A PORTION OF THE SUBDIVISION

AND

RESURVEY OF THE EAST BOUNDARY

AND

RETRACEMENT OF THE FOURTH STANDARD PARALLEL SOUTH

IN

TOWNSHIP 20 SOUTH, RANGE 13 WEST

Of the Salt Lake Meridian,

In the State of Utah

EXECUTED BY

Vern E. Lane, Cadastral Surveyor (Chief of Party)

Eldon W. Sibley, Cartographic Survey Aid

Under special instructions dated August 3, 1936, which provided
and supplemental special instructions dated June 28, 1954

for the surveys included under Group No. 272, approved September 16, 1936
July 15, 1954

and assignment instructions dated May 1, 1959

Survey commenced May 14, 1959

Survey completed June 3, 1959

INDEX DIAGRAM

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GPO 556119

Township 20 South, Range 13 West

Chains

The east boundary was surveyed by A. J. Stewart Jr. in 1885. The south boundary, being the Fourth Standard Parallel South, was independently resurveyed by W. W. Bandy in 1925. The west boundary was surveyed by L. E. Bland concurrently with this survey and is described in the field notes of T. 20 S., R. 14 W.

The following field notes are those of the retracement of the south boundary and the dependent resurvey of the east boundary, and the original survey of the north boundary and a portion of the subdivision of T. 20 S., R. 13 W., deemed sufficient in extent to facilitate development of the natural resources and mark the boundaries of those sections normally considered State school sections.

The survey was executed with a W. & L. E. Gurley solar transit, serial No. 570627 constructed in accordance with the standard instrumental specifications of the Bureau of Land Management. The instrument was in good condition prior to the beginning of the survey and was maintained in proper adjustment throughout the progress of the survey.

Corners on east-west lines were set on the true latitudinal curve. Lines connecting previously established corners were run by random and true method, but for simplification of the record the random lines are omitted from the field notes. In accordance with the intent of the special instructions, all subdivisional corners established are calculated to be at the position they would occupy if the entire township were subdivided.

Measurements herein contained were made with a narrow steel tape, 8 chains in length, graduated every link for the first 100 links and thereafter at intervals of 10 links. The tape was tested by comparison with a 1 chain standard steel tape and found to be correct. Measurements were made on the slope with the vertical angle of each interval ascertained by a clinometer in good adjustment. Horizontal equivalents alone are entered in the field notes. All lines of this survey were run by direct method where the lines were accessible; lines inaccessible were run by traverse or triangulation methods. Distances to topography on lines run by traverse or triangulation are approximately as scaled from U. S. G. S. topographic sheets. The details of such traverses or triangulations have been thoroughly checked and verified and in order to simplify the record the diagrams and reductions are omitted from these field notes.

The direction of the lines of this survey were determined by reference to true meridians established on line by hour angle observations on Polaris or altitude observations on the sun. The lines were carried forward by sustained angulation being supplemented by other numerous altitude observations on the sun taken throughout the progress of the survey.

The geographic position for the southeast corner of the township is at latitude $39^{\circ} 01' 07.5''$ N. and longitude $113^{\circ} 14' 57.4''$ W. as adjusted from traverses to U. S. G. S. triangulation stations within the area.

The magnetic declination was read at a number of stations throughout the township and the average of these readings was found to be $16^{\circ} 30'$ E.

Dependent Resurvey of the West Bdy. of T. 20 S., R. 12 W.

Reestablishment of surveys executed by A. J. Stewart Jr. in 1885, and establishment thereon of new corners at latitudinal intervals of 40 chs. N. of the Fourth Standard Parallel South in R. 13 W.

Dependent Resurvey, W. Bdy., T. 20 S., R. 12 W.

Chains

Beginning at the remonumented SW. cor. of T. 20 S., R. 12 W., mkd. by an iron post, 3 ins. diam., firmly set, mkd. and witnessed as described by W. W. Bandy in 1925 in the record of the independent resurvey of the Sevier Lake Guide Meridian through T. 21 S., Rs. 12 and 13 W. From which the closing cor. of T. 20 S., R. 13 W. and T. 21 S., R. 12 W. bears N. 88° 45' E., 7.93 chs.

N. 0° 49' W., on the W. bdy. of sec. 31, T. 20 S., R. 12 W.

Over nearly level land sloping gently to the SE.

10.20 Wash, 2 chs. wide, 4 ft. deep, drains SE.

29.55 Point for the $\frac{1}{2}$ sec. cor. of sec. 36, T. 20 S., R. 13 W.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 20 ins. in the ground, with brass cap mkd.

T20S
R13W R12W
 $\frac{1}{2}$
S36
1959

Build a mound of stone, 3 ft. base, 2 ft. high, W. of the iron post.

39.20 Wash, 70 lks. wide, 3 ft. deep, course N. 30° E.

40.10 Point for the $\frac{1}{2}$ sec. cor. of sec. 31, T. 20 S., R. 13 W. at proportionate dist.; there is no remaining evidence of the original cor. established for the $\frac{1}{2}$ sec. cor. of secs. 31 and 36.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T20S
R13W R12W
 $\frac{1}{2}$
S31
1959

Build a mound of stone, 3 ft. base, $1\frac{1}{2}$ ft. high, E. of the iron post.

46.00 Trail road, bears N. 70° W. and S. 70° E.

69.55 Point for the cor. of secs. 25 and 36, T. 20 S., R. 13 W.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T20S
R13W R12W
S25
S36 S31
1959

Build a mound of stone, 3 ft. base, $1\frac{1}{2}$ ft. high, W. of the iron post.

80.20 The cor. of secs. 30 and 31, T. 20 S., R. 12 W., mkd. by the cor. originally set for the cor. of secs. 25, 30, 31 and 36, a limestone, 14x7x6 ins., firmly set and plainly mkd.

At the cor. point

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T20S
R13W R12W
S25 S30
S31
1959

De... t Resurvey of the West... T. 20 S.; R. 12 W.

Chains

Build a mound of stone, 2 ft. base, 1½ ft. high, W. of the iron post.

Bury the original monument alongside the iron post.

Land, nearly level.

Soil, sandy loam and light clay.

Undergrowth, scattered sagebrush and shadscale.

Timber, none.

N. 0° 35' W., on the W. bdy. of sec. 30., T. 20 S., R. 12 W.

Over nearly level land, sloping gently to the SE.

13.80 Trail road, bears N. 70° W. and S. 70° E.

29.35 Point for the ¼ sec. cor. of sec. 25, T. 20 S., R. 13 W.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T20S
R13W R12W
¼
S25
1959

Build a mound of stone, 3 ft. base, 2 ft. high, W. of the iron post.

39.94 The ¼ sec. cor. of sec. 30, T. 20 S., R. 12 W., mkd. by the cor. originally established for the ¼ sec. cor. of secs. 25 and 30, a limestone 10x9x8 ins., firmly set and plainly mkd.

At the cor. point

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T20S
R13W R12W
¼
S30
1959

Build a mound of stone, 3 ft. base, 2 ft. high, E. of the iron post.

Bury the original corner alongside the iron post.

N. 1° 13' W., beginning new measurement.

29.42 Point for the cor. of secs. 24 and 25, T. 20 S., R. 13 W.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T20S
R13W R12W
S24
S25 S30
1959

Build a mound of stone, 2 ft. base, 1½ ft. high, W. of the iron post.

Dependent Resurvey of the West Bdy. of T. 20 S., R. 12 W.

Chains

- 36.50 Trail road, bears N. 14° E. and S. 14° W.
- 40.02 The cor. of secs. 19 and 30, T. 20 S., R. 12 W., mkd. by the cor. originally set for the cor. of secs. 19, 24, 25 and 30, a limestone 12x8x6 ins., firmly set and plainly mkd.
- At the cor. point
- Set an iron post, 30 ins. long, 2½ ins. diam., 16 ins. in the ground, in a collar of stone, with brass cap mkd.
- T20S
R13W R12W
S24 | S19
 | S30
 1959
- Bury the original cornerstone alongside the iron post.
- Land, nearly level.
Soil, light clay and sandy loam.
Timber, none.
Undergrowth, scattered sagebrush and shadscale.
-
- N. 1° 43' W., on the W. bdy. of sec. 19, T. 20 S., R. 12 W.
- Over nearly level land.
- 23.60 Trail road, bears S. 70° E. and N. 70° W.
- 25.00 Wash, 1 ch. wide, 3 ft. deep, drains S. 80° E.
- 29.41 Point for the ¼ sec. cor. of sec. 24, T. 20 S., R. 13 W.
- Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, in a collar of stone, with brass cap mkd.
- T20S
R13W R12W
 | ¼
S24 |
 1959
- 40.00 The ¼ sec. cor. of sec. 19, T. 20 S., R. 12 W., mkd. by the cor. originally set for the ¼ sec. cor. of secs. 19 and 24, a limestone 12x6x6 ins., firmly set and plainly mkd.
- At the cor. point
- Set an iron post, 30 ins. long, 2½ ins. diam., 16 ins. in the ground, in a mound of stone, 1½ ft. base, 1 ft. high, with brass cap mkd.
- T20S
R13W R12W
 | ¼
 | S19
 1959
- Bury the original cornerstone alongside the iron post.
-
- N. 1° 18' W., beginning new measurement.
- 4.90 U. S. Highway Nos. 50 and 6, an asphalt surfaced road, bears N. 62° 13' E. and S. 62° 13' W.

Dependent Resurvey of the West Bdy. of T. 20 S., R. 12 W.

Chains

29.42

Point for the cor. of secs. 13 and 24, T. 20 S., R. 13 W.

Set an iron post, 30 ins. long, 2½ ins. diam., 16 ins. in the ground, with brass cap mkd.

T20S

R13W R12W

S13
S24

S19

1959

Build a mound of stone, 3½ ft. base, 1½ ft. high, W. of the iron post.

40.21

Point for the cor. of secs. 18 and 19, T. 20 S., R. 12 W., at proportionate dist.; there is no remaining evidence of the monument originally set for the cor. of secs. 13, 18, 19 and 24.

Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground, with brass cap mkd.

T20S

R13W R12W

S13
S18

S19

1959

Build a mound of stone, 3 ft. base, 2 ft. high, E. of the iron post.

Land, nearly level.

Soil, light clay and sandy loam.

Timber, none.

Undergrowth, scattered sagebrush and shadscale.

N. 1° 18' W., on the W. bdy. of sec. 18, T. 20 S., R. 12 W.

Over rolling land.

29.22

Point for the ¼ sec. cor. of sec. 13, T. 20 S., R. 13 W.

Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground, with brass cap mkd.

T20S

R13S R12W

¼

S13

1959

Build a mound of stone, 3 ft. base, 1½ ft. high, W. of the iron post.

40.21

The ¼ sec. cor. of sec. 18, T. 20 S., R. 12 W., mkd. by the cor. originally set for the ¼ sec. cor. of secs. 13 and 18, a limestone 20x9x6 ins., firmly set and plainly mkd.

At the cor. point

Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground, with brass cap mkd.

T20S

R13W R12W

¼

S18

1959

Build a mound of stone, 3 ft. base, 1½ ft. high, E. of the iron post.

Chains

N. 89° 36' W., beginning new measurement.

29.01 Point for the cor. of secs. 12 and 13, T. 20 S., R. 13 W.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T20S
R13W R12W
S12
S13
1959

No accessories available.

40.15 The cor. of secs. 7 and 18, T. 20 S., R. 12 W., mkd. by the cor. originally set for the cor. of secs. 7, 12, 13 and 18, a conglomerate stone 15x6x4 ins., firmly set and plainly mkd.

At the cor. point

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T20S
R13W R12W
S12
S18
1959

Bury the original cornerstone alongside the iron post.

No accessories available.

Land, rolling.

Soil, light clay and sandy loam.

Timber, none.

Undergrowth, scattered sagebrush and shadscale.

N. 0° 33' W., on the W. bdy. of sec. 7, T. 20 S., R. 12 W.

Over gently rolling land.

19.00 Trail road, bears N. 80° W. and S. 80° E.

28.86 Point for the ¼ sec. cor. of sec. 12, T. 20 S., R. 13 W.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T20S
R13W R12W
S12
S18
1959

No accessories available.

40.08 The ¼ sec. cor. of sec. 7, T. 20 S., R. 12 W., mdk. by the cor. originally set for the ¼ sec. cor. of secs. 7 and 12, a limestone 9x8x3 ins., firmly set and plainly mkd.

At the cor. point

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the in a collar of stone, with brass cap mkd.

Chains

t Res of the West T

T20S

R13W R12W

1/4

S7

1959

Bury the original cornerstone alongside the iron post.

N. 0° 26' W., beginning new measurement.

17.10 Wash, 40 lks. wide, 2 ft. deep, course S. 70° E.

28.78 Point for the cor. of secs. 1 and 12, T. 20 S., R. 13 W.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, in a collar of stone, with brass cap mkd.

T20S

R13W R12W

S 1

S12 S 7

1959

40.11 The cor. of secs. 6 and 7, T. 20 S., R. 12 W., mkd. by the cor. originally set for the cor. of secs. 1, 6, 7 and 12, a limestone, 12x10x4 ins., firmly set and plainly mkd.

At the cor. point

Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground, in a collar of stone, with brass cap mkd.

T20S

R13W R12W

S1 S6

S7

1959

Bury the original cornerstone alongside the iron post.

Land, nearly level.

Soil, light clay and sandy loam.

Timber, none.

Undergrowth, scattered sagebrush and shadscale.

N. 0° 08' W., on the W. bdy. of sec. 6, T. 20 S., R. 12 W.

Over nearly level land.

28.67 Point for the ¼ sec. cor. of sec. 1, T. 20 S., R. 13 W.

Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground, in a collar of stone, with brass cap mkd.

T20S

R13W R12W

1/4

S1

1959

40.06 The ¼ sec. cor. of sec. 6, T. 20 S., R. 12 W., mkd. by the cor. originally set for the ¼ sec. cor. of secs. 1 and 6, a limestone 15x9x5 ins., firmly set and plainly mkd.

Dependent Resurvey of T. 12 N

At the cor. point

Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, in a collar of stone, with brass cap mkd.

T20S
R13W R12W
S6
1959

Bury the original cornerstone alongside the iron post.

N. 0° 39' W., beginning new measurement.

Over nearly level land sloping gently to the SE.

27.93 Point for the cor. of Tps. 19 and 20 S., R. 13 W., established at an easting of 470.23 chs. from the cor. of Tps. 19 and 20 S., Rs. 13 and 14 W.

Set an iron post, 30 ins. long, 2½ ins. diam., 15 ins. in the ground, in a mound of stone, 3 ft. base to top of post, with brass cap mkd.

T19S
R13W R12W
S36 S6
S 1
1959

34.00 Flat bottomed wash, drains SE.

40.09 The cor. of Tps. 19 and 20 S., R. 12 W., mkd. by the cor. originally set for the cor. of Tps. 19 and 20 S., Rs. 12 and 13 W., a limestone 24x12x6 ins., firmly set and plainly mkd.

At the cor. point

Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground, in a mound of stone, 3½ ft. base to top, with brass cap mkd.

T19S
R13W R12W
S36 S31
S 6
1959

Bury the original cornerstone alongside the iron post.

Land, nearly level with SE. exposure.

Soil, light clay and sandy loam.

Timber, none.

Undergrowth, scattered sagebrush and shadscale.

Retracement of the Fourth Standard Parallel South in R. 13 W.

Retracement of surveys executed by W. W. Bandy in 1925.

The calls of topography as given in the field notes of the 1925 survey are substantially correct and omitted from this record. All monuments were recovered in good condition and in accordance with the record.

Beginning at the standard cor. of Tps. 20 S., Rs. 13 and 14 W., an iron post, 3 ins. diam., conforming to the record.

Retracement of the Fourth Standard Parallel South in R. 13 W.

Chains	N. 89° 55' E., on the S. bdy. of sec. 31.
40.00	The standard $\frac{1}{4}$ sec. cor. of sec. 31, mkd. by an iron post, 1 in. diam. conforming to the record.
80.00	The standard cor. of secs. 31 and 32, mkd. by an iron post, 2 ins. diam. conforming to the record.
	Land, rolling hills. Soil, rocky light clay and sandy loam. Timber, none.
	N. 89° 55' E., on the S. bdy. of sec. 32.
40.00	The standard $\frac{1}{4}$ sec. cor. of sec. 32, mkd. by an iron post, 1 in. diam. conforming to the record.
80.00	The standard cor. of secs. 32 and 33, mkd. by an iron post, 2 ins. diam., conforming to the record.
	Land, rolling hills. Soil, rocky light clay and sandy loam. Timber, none.
	N. 89° 55' E., on the S. bdy. of sec. 33.
40.00	The standard $\frac{1}{4}$ sec. cor. of sec. 33, mkd. by an iron post, 1 in. diam. conforming to the record.
80.00	The standard cor. of secs. 33 and 34, mkd. by an iron post, 2 ins. diam., conforming to the record.
	Land, rolling. Soil, rocky light clay and sandy loam. Timber, none.
	N. 89° 55' E., on the S. bdy. of sec. 34.
40.00	The standard $\frac{1}{4}$ sec. cor. of sec. 34, mkd. by an iron post, 1 in. diam., conforming to the record.
80.00	The standard cor. of secs. 34 and 35, mkd. by an iron post, 2 ins. diam., conforming to the record.
	Land, rolling. Soil, rocky light clay and sandy loam. Timber, none.
	N. 89° 55' E., on the S. bdy. of sec. 35.
40.00	The standard $\frac{1}{4}$ sec. cor. of sec. 35, mkd. by an iron post, 1 in. diam., conforming to the record.
80.00	The standard cor. of secs. 35 and 36, mkd. by an iron post, 2 ins. diam., conforming to the record.
	Land, rolling. Soil, rocky light clay and sandy loam. Timber, none.

of the Fourth Standard Parallel

Chains N. 89° 55' E., on the S. bdy. of sec. 36.

40.00 The standard $\frac{1}{4}$ sec. cor. of sec. 36, mkd. by an iron post, 1 in. diam., conforming to the record.

85.83 The standard closing cor. of Tps. 20 and 21 S., R. 13 W., mkd. by an iron post, 3 ins. diam., conforming to the record.

From which the closing cor. of T. 20 S., R. 13 W. and T. 21 S., R. 12 W. bears N. 10.60 chs.

From the same point the original closing cor. of T. 20 S., R. 13 W., T. 21 S., R. 12 W., bears N. 10.44 chs. dist. and has been remarked to function as an amended monument.

Land, gently rolling.
Soil, rocky light clay and sandy loam.
Timber, none.

Survey of the North Boundary, T. 20 S., R. 13 W.

From the cor. of Tps. 19 and 20 S., R. 13 W., an iron post, 2½ ins. diam., hereinbefore described.

West, bet. secs. 1 and 36.

Over gently rolling land, sloping SE.

30.82 Point for the $\frac{1}{4}$ sec. cor. of secs. 1 and 36.

Set an iron post, 30 ins. long, 2½ ins. diam., 15 ins. in the ground, with brass cap mkd.

T19S R13W

S36

S 1

T20S

1959

Build a mound of stone, 3 ft. base, 2 ft. high, N. of the iron post.

34.20 Trail road, bears N. 20° E. and S. 20° W.

56.00 Base of steep SE. slope, bears N. and S.; asc. 330 ft.

70.82 Point for the cor. of secs. 1, 2, 35 and 36.

Set an iron post, 30 ins. long, 2½ ins. diam., 1 in. in the ground to bedrock, supported in a mound of stone, 4 ft. base to top of post, with brass cap mkd.

T19S R13W

S35 S36

S 2 S 1

T20S

1959

Land, gently rolling in E. 60 chs., rough and broken in W.
Soil, light clay with considerable loose surface rock.
Timber, none.

West, bet. secs. 2 and 35.

Over rough and broken land; asc. 220 ft. over SE. slope.

9.70 Top of ascent, bears N. 20° E. and S.; desc. 220 ft. over irregular W. slope.

Survey of the North Boundary of T. 20 S., R. 13 W.

Chains

40.00

Point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 35.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 12 ins. in the ground to bedrock, supported in a mound of stone, 4 ft. base to top, with brass cap mkd.

T19S R13W

S35S 2

T20S

1959

Desc. 30 ft.

47.10

Wash, 10 lks. wide, 2 ft. deep, drains NW.; asc. 150 ft. over NE. slope.

59.00

Spur, slopes NW.; desc. 130 ft. over W. slope.

71.20

Wash, 20 lks. wide, 2 ft. deep, course N.; asc. slight E. slope.

80.00

Point for the cor. of secs. 2, 3, 34 and 35.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap mkd.

T19S R13W

S34|S35S3|S2

T20S

1959

Build a mound of stone, 4 ft. base, 2 ft. high, W. of the iron post.

Land, rough and broken.

Soil, shallow clay and limestone shelf rock.

Timber, none.

West, bet. secs. 3 and 34.

Over the eastern slopes of the House Range of mountains; asc. slight E. slope.

1.00

Trail road, bears NE. and SW.; cont. ascent.

22.00

Base of steep ascent, bears N. and S.; asc. 210 ft. over E. slope.

27.30

Spur, slopes S. 60° E.; thence along a broken S. slope.

40.00

Point for the $\frac{1}{4}$ sec. cor. of secs. 3 and 34.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 12 ins. in the ground, in a mound of stone, 4 ft. base to top of post, with brass cap mkd.

T19S R13W

S34 $\frac{1}{4}$ S 3

T20S

1959

Cont. along a S. slope.

42.20

Wash, 20 lks. wide, 2 ft. deep, course S. 60° E.; asc. 200 ft. over NE. slope.

51.80

Spur, slopes SE.; thence over broken irregular S. slope.

Survey of the North Boundary of T. 20 S., R. 13 W.

Chains
66.00

Small spur, projects S.

77.00

Small spur, projects S.

80.00

Point for the cor. of secs. 3, 4, 33 and 34.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., over a cross (X) cut in rock surface and supported in a mound of stone, 4 ft. base to top of post with brass cap mkd.

T19S R13W

S33 | S34

S4 | S3

T20S

1959

Land, rough and broken.

Soil, shallow clay and limestone surface rock.

Timber, none.

West, bet. secs. 4 and 33,

Over rough and broken land, along a broken irregular S. slope.

21.00

Wash, 30 lks. wide, 2 ft. deep, course SE.; asc. 480 ft. over steep NE. slope.

36.90

Spur, slopes S. 60° E. from W.; enter scattered timber; desc. 40 ft.

40.00

Point for the $\frac{1}{4}$ sec. cor. of secs. 4 and 33.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 10 ins. in the ground, in a mound of stone, $3\frac{1}{2}$ ft. base to top of post, with brass cap mkd.

T19S R13W

 $\frac{1}{4}$ S33

S 4

T20S

1959

43.40

Head of gulch, drains steeply to the N.; asc. 120 ft. over NE. slope.

53.00

Top of ascent on ridge, bears NW. and S.; desc. 160 ft. over W. slope.

63.50

Desc. 70 ft. along a NW. slope.

79.47

Point selected for the witness cor. of secs. 4, 5, 32 and 33.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 15 ins. in the ground, in a mound of stone, 3 ft. base to top of post, with brass cap mkd.

T19S R13W

W. S32 | S33

C S5 | S4

T20S

1959

80.00

Point for the cor. of secs. 4, 5, 32 and 33 falls in inaccessible ledges facing N.

Land, rough and broken.

Soil, shallow clay and limestone surface rock.

Timber, scattered scrub juniper.

of the North Boundary of T. 20 S., R. 13 W.

Chains

West, bet. secs. 5 and 32, counting distance from the true point for the cor. of secs. 4, 5, 32 and 33.

Over rough and broken mountainous land; desc. along ledgy N. slope.

8.00 Spur, slopes NW.; desc. 130 ft. over SW. slope.

17.50 Wash, 2 chs. wide, 2 ft. deep, course N. 20° W.; asc. 350 ft. over steep NE. slope.

36.10 Spur, slopes N.; desc. 120 ft. over steep W. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 5 and 32.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 12 ins. in the ground, in a mound of stone, $3\frac{1}{2}$ ft. base to top, with brass cap mkd.

T19S R13W

$\frac{1}{4}$ S32

S 5

T20S

1959

Desc. 90 ft. over W. slope.

47.20 Wash, 2 chs. wide, 3 ft. deep, course N.; asc. 440 ft. over steep E. slope.

67.20 Spur, slopes steeply to SE.; thence along a steep ledgy S. slope.

80.00 Point for the cor. of secs. 5, 6, 31 and 32.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 15 ins. in the ground, in a mound of stone, 3 ft. base to top, with brass cap mkd.

T19S R13W

S31 | S32

S6 | S5

T20S

1959

Land, rough and mountainous.

Soil, shallow clay and limestone surface rock.

Timber, scattered scrub juniper.

West, bet. secs. 6 and 31.

Over rough, mountainous land, along a steep irregular S. slope.

10.10 Wash, drains SE.; asc. 560 ft. over NE. slope.

30.00 Spur, slopes steeply to SE., thence over irregular S. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 6 and 31.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 12 ins. in the ground, in a mound of stone, 4 ft. base to top, with brass cap mkd.

T19S R13W

$\frac{1}{4}$ S31

S 6

T20S

1959

Cont. over ledges on irregular S. slope.

482

Survey of the North Boundary of T. 20 S., R. 13 W.

Chains

- 50.00 Spur, slopes steeply to S.
- 72.00 Ravine, drains SE.; asc. 280 ft. abruptly over E. slope.
- 79.41 The cor. of Tps. 19 and 20 S., Rs. 13 and 14 W., mkd. by an iron post, 2½ ins. diam., described in the field notes of the survey of T. 20 S., R. 14 W.
- Land, rough and mountainous.
Soil, shallow light clay and rocky.
Timber, scattered scrub juniper.

Survey of a Portion of the Subdivision of T. 20 S., R. 13 W.

From the standard cor. of secs. 35 and 36, on the S. bdy. of the Tp. an iron post, 2 ins. diam., conforming to the record.

North, bet. secs. 35 and 36, on the sectional guide meridian.

Over gently rolling land.

- 8.60 Wash, 1.50 chs. wide, 2 ft. deep, course N. 70° E.

- 40.00 Point for the ¼ sec. cor. of secs. 35 and 36.

Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground with brass cap mkd.

T20S R13W

S35|S36

1959

- 50.00 Wash, 1 ch. wide, 3 ft. deep, course NE.

- 80.00 Point for the cor. of secs. 25, 26, 35 and 36.

Set an iron post, 30 ins. long, 2½ ins. diam., 18 ins. in the ground in a mound of stone, 3 ft. base to top, with brass cap mkd.

T20S R13W

S26|S25

S35|S36

1959

Land, gently rolling.

Soil, light clay.

Timber, none.

From the cor. of secs. 25 and 36, on the E. bdy. of the Tp., hereinbefore described.

S. 89° 55' W., bet. secs. 25 and 36.

Over nearly level land.

- 20.30 Graded road, bears N. 10° E. and S. 10° W.

- 36.84 Point for the ¼ sec. cor. of secs. 25 and 36.

Survey of a Portion of the Subdivision of T. 20 S., R. 13 W.

Chains

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the ground with brass cap mkd.

T20S R13W

 $\frac{1}{4}$ S25

S36

1959

Build a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, N. of the iron post.

76.84

The cor. of secs. 25, 26, 35 and 36.

Land, gently rolling.

Soil, light clay and sand.

Timber, none.

From the standard cor. of secs. 33 and 34, on the S. bdy. of the Tp., an iron post, 2 ins. diam., conforming to the record.

N. $0^{\circ} 01'$ W., bet. secs. 33 and 34.

Over rolling land.

40.00

Point for the $\frac{1}{4}$ sec. cor. of secs. 33 and 34.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 18 ins. in the ground, with brass cap mkd.

T20S R13W

 $\frac{1}{4}$

S33|S34

1959

48.00

Asc. slight SE. slope.

60.60

Low ridge, bears E. and W.; desc. slight N. slope.

70.80

Base of descent, thence over gently rolling land.

80.00

Point for the cor. of secs. 27, 28, 33 and 34.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 18 ins. in the ground, with brass cap mkd.

T20S R13W

S28|S27

S33|S34

1959

Build a mound of stone, 3 ft. base, $1\frac{1}{2}$ ft. high, W. of the iron post.

Land, gently rolling.

Soil, sand and light clay.

Timber, none.

N. $0^{\circ} 01'$ W., bet. secs. 27 and 28.

Over gently rolling land.

6.90

Wash, 60 lks. wide, 2 ft. deep, course E.

1184

Survey of a Portion of the Subdivision of T. 20 S., R. 13 W.

Chains

32.55	U. S. Highway Nos. 50 and 6, an asphalt surfaced road, bears N. 79° 20' E. and S. 79° 20' W.; asc. SE. slope.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 27 and 28. Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground with brass cap mkd.
	T20S R13W S28 S27 1959
	Build a mound of stone, 2 ft. base, 1½ ft. high, W. of the iron post. Asc. over SE. slope.
43.80	Small spur, slopes E.; desc. N. slope.
48.10	Wash, 20 lks. wide, 2 ft. deep, course E.
62.00	Trail road, bears NW. and SE.
80.00	Point for the cor. of secs. 21, 22, 27 and 28. Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground with brass cap mkd.
	T20S R13W S21 S22 S28 S27 1959
	Land, rolling. Soil, sand and light clay. Timber, none.
	N. 0° 01' W., bet. secs. 21 and 22.
	Over broken land; asc. 200 ft. over S. slope.
26.30	Top of ascent, bears S. 30° E. and N. 20° W., thence over broken land draining easterly.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 21 and 22. Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground with brass cap mkd.
	T20S R13W S21 S22 1959
	Build a mound of stone, 2½ ft. base, 2 ft. high, W. of the iron post. Asc. 120 ft. over broken land.
68.50	Ridge, bears NW. and SE.; desc. 140 ft. over NE. slope.
73.90	Wash, 50 lks. wide, 2 ft. deep, course SE.; asc. SW. slope.
80.00	Point for the cor. of secs. 15, 16, 21 and 22.

Survey of a Portion of the Subdivision of T. 20 S., R. 13 W.

Chains

Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.

T20S R13W
S16|S15
S21|S22
1959

Land, broken.
Soil, light clay and limestone surface rock.
Timber, none.

N. 0° 01' W., bet. secs. 15 and 16.

Over broken mountainous land; asc. 320 ft. over SW. slope.

30.00 Spur, slopes steeply to SW.; thence along broken W. slope.

38.70 Wash, 20 lks. wide, 3 ft. deep, course SW.; asc. S. slope.

40.00 Point for the ¼ sec. cor. of secs. 15 and 16 falls on inaccessible S. face of ledge where the cor. cannot be monumented.

40.25 Point selected for the witness ¼ sec. cor. of secs. 15 and 16.

Set an iron post, 30 ins. long, 2½ ins. diam., 1 in. in the ground to bedrock, supported in a mound of stone, 3½ ft. base to top, with brass cap mkd.

T20S R13W
¼
S16|S15
W C
1959

Cont. ascent over broken S. slope.

45.00 Spur, projects S. 70° W.

50.00 Wash, drains S. 70° W.

55.00 Spur, slopes SW.; desc. 100 ft. over NW. slope.

62.10 Wash, 20 lks. wide, 3 ft. deep, course SW.; asc. 300 ft. over broken S. slope.

80.00 Point for the cor. of secs. 9, 10, 15 and 16.

Set an iron post, 30 ins. long, 2½ ins. diam., 1 ins. in the ground to bedrock, supported in a mound of stone, 3½ ft. base to top, with brass cap mkd.

T20S R13W
S 9|S10
S16|S15
1959

Land, mountainous.
Soil, light clay.
Timber, none.

486

Survey of a Portion of the Subdivision of T. 20 S., R. 13 W.

Chains

N. 0° 01' W., bet. secs. 9 and 10.

Over rough mountainous land; asc. 90 ft. over S. slope.

7.70 Top of ascent on ridge, bears W. and S. 70° E.; desc. 260 ft. over steep N. slope.

35.30 Wash, 30 lks. wide, 3 ft. deep, course N. 60° E.; asc. SE. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 9 and 10.

Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground with brass cap mkd.

T20S R13W

$\frac{1}{4}$
S 9 | S10
1959

Asc. 270 ft. over steep SE. slope.

68.60 Spur, slopes E.; desc. 320 ft. over steep NE. slope.

80.00 Point for the cor. of secs. 3, 4, 9 and 10.

Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground with brass cap mkd.

T20S R13W

$\frac{1}{4}$
S4 | S3
S 9 | S10
1959

Build a mound of stone, 3 ft. base, 1½ ft. high, W. of the iron post.

Land, rough and mountainous.

Soil, light clay and limestone surface rock.

Timber, none.

N. 0° 14' W., bet. secs. 3 and 4.

Over rough mountainous land.

.80 Wash, 20 lks. wide, 2 ft. deep, course E.; asc. 160 ft. over SE. slope.

11.70 Spur, projects E.; desc. 160 ft. over NE. slope.

28.00 Wash, 10 lks. wide, 2 ft. deep, course E.; asc. 200 ft. over broken S. slope.

37.50 Ridge, bears NE. and SW.; desc. 20 ft.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 3 and 4.

Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground in a mound of stone, 4 ft. base to top, with brass cap mkd.

T20S R13W

$\frac{1}{4}$
S4 | S3
1959

Desc. 280 ft. over broken NW. slope.

Survey of a Portion of the Subdivision of T. 20 S., R. 13 W.

Chains

- 58.30 Wash, 30 lks. wide, 3 ft. deep, course NE.
- 66.20 Wash, 10 lks. wide, 2 ft. deep, course SE.; asc. 280 ft. over steep S. slope.
- 79.92 The cor. of secs. 3, 4, 33 and 34, on the N. bdy. of the Tp., hereinbefore described.
Land, rough and mountainous.
Soil, light clay and limestone surface rock.
Timber, scattered scrub juniper.

From the cor. of secs. 2, 3, 34 and 35, on the N. bdy. of the Tp., hereinbefore described.
S. 0° 01' E., bet. secs. 2 and 3.

Over rolling land.

- 8.00 Wash, 30 lks. wide, 3 ft. deep, course NE.
- 16.20 Wash, 30 lks. wide, 4 ft. deep, course NE.
- 30.00 Leave rolling land; asc. 120 ft. over N. slope.
- 39.72 Point for the $\frac{1}{2}$ sec. cor. of secs. 2 and 3.
Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 4 ins. in the ground to bedrock, supported in a mound of stone, 4 ft. base to top, with brass cap mkd.

T20S R13W

$\frac{1}{2}$
S3 | S2
1959

Asc. 100 ft. over N. slope.

- 45.00 Spur, slopes NW. 10 chs. to end.
- 54.40 Spur, slopes W.; desc. 160 ft.
- 65.90 Wash, 20 lks. wide, 2 ft. deep, course SW.
- 68.20 Wash, 20 lks. wide, 2 ft. deep, course W.; asc. NW. slope.
- 79.72 Point for the cor. of secs. 2, 3, 10 and 11.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 4 ins. in the ground, supported in a mound of stone, 4 ft. base to top, with brass cap mkd.

T20S R13W

S3 | S2
S10 | S11
1959

Land, rough in S. 50 chs., rolling in N.
Soil, sand, light clay and exposed limestone.
Timber, none.

Chains

Over broken land; asc. 90' ft. over NW. slope.

21.00	Gulch, drains steeply to SE.; asc. 120 ft. over SW. slope.
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39.00	Wash, 10 lks. wide, 3 ft. deep, course SE.
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40.00	Point for the $\frac{1}{2}$ sec. cor. of secs. 2 and 11.
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T20S R13W

1/4 S 2
 S11
 195

Thence along a steep S. slope.

46.00	Spur, slopes SE.; desc. 200 ft. over an E. slope.
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64.60 Wash, 30 lks. wide, 3 ft. deep, course N. 60° E., thence along a N. slope.

70.70 Trail road, bears N. 70° E. and S. 70° W.

75.00	N. end of spur, slopes from the S.
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80.00	Point for the cor. of secs. 1, 2, 11 and 12.
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Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground with brass cap mkd.

T20S R13W

S2	S1
S11	S12

1959

Build a mound of stone, 2' ft. base, 1½ ft. high, W. of the iron post.

Land, rough and broken.

Soil, sand, light clay and exposed limestone.

Timber, none.

N. $0^{\circ} 04'$ E., bet. secs. 1 and 2.

Over rolling land.

5.90 Trail road, bears N. 70° E. and S. 70° W.

8.80 Wash, 30 lks. wide, 3 ft. deep, course N. 80° E.

28.00 Wash, 20 lks. wide, 2 ft. deep, course SE.; asc. 140 ft. over S. slope.

35.00 Spur, slopes SE., thence along E. slope.

40.00	Point for the $\frac{1}{2}$ sec. cor. of secs. 1 and 2.
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Survey of a Portion of the Subdivision of T₂-20-S. R. 13 W.

Chains

Set an iron post, 30 ins. long, 2½ ins. diam., 15 ins. in the ground in a mound of stone, 3½ ft. base to top, with brass cap mkd.

T20S R13W

S2|S1

Desc. 90 ft. over NE. slope.

44.00 Wash, drains SE.; asc. 300 ft. over SW. slope.

52.70 Spur, slopes S. 70° E., thence along an irregular E. slope.

79.50 The cor. of secs. 1, 2, 35 and 36 on the N. bdy. of the Tp.

Land, rough and broken.

Soil, sand and exposed limestone.

Timber, none.

From the cor. of secs. 15, 16, 21 and 22.

S. 89° 55' W., bet. secs. 16 and 21.

Over broken land.

4.90 Wash, 50 lks. wide, 2 ft. deep, drains SE.; asc. 150 ft. over NE. slope.

13.00 Ridge, bears SE. and NW.; thence over slight S. slope.

29.30 Ridge, bears NE. and NW., thence along S. slope.

40.00 Point for the ½ sec. cor. of secs. 16 and 21.

Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground, in a mound of stone, 3 ft. base to top, with brass cap mkd.

T20S R13W

½ S16

S21

1959

45.30 Wash, 1 ch. wide, 2 ft. deep, course SE.; thence along a N. slope.

59.80 Wash, 10 lks. wide, 1 ft. deep, course NE.; thence along a SE. slope.

80.00 Point for the cor. of secs. 16, 17, 21 and 22.

Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground, with brass cap mkd.

T20S R13W

S17|S16

S20|S21

1959

Land, broken.

Soil, light clay and exposed limestone.

Timber, none.

N. 0° 02' W., bet. secs. 16 and 17.

Over broken land; asc. 80 ft. over S. slope.

Survey of a Portion of the Subdivision of T. 20 S., R. 13 W.

Chains

10.00 Spur, slopes E.; desc. 120 ft. over irregular NE. slope.

30.40 Wash, drains SE.; asc. SW. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 16 and 17.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 4 ins. in the ground, supported in a mound of stone, $3\frac{1}{2}$ ft. base to top, with brass cap.

T20S R13W

 $\frac{1}{4}$ S17|S16
1959

Asc. SW. slope.

44.10 Ridge, bears NW. and SE.; desc. 120 ft. over NE. slope.

48.60 Wash, 10 lks. wide, 1 ft. deep, course S. 70° E. on curve to E.; asc. 160 ft. over S. slope.59.00 Spur, slopes S. 60° E.; desc. 90 ft. along a broken slope draining to the E.

79.90 Point selected for the witness cor. of secs. 8, 9, 16 and 17.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 12 ins. in the ground in a mound of stone, $3\frac{1}{2}$ ft. base to top, with brass cap mkd.

T20S R13W

W C

S8|S9

S17|S16

1959

80.00 Point for the cor. of secs. 8, 9, 16 and 17 falls in wash, course SE., where the cor. cannot be perpetuated.

Land, broken.

Soil, light clay and exposed surface rock.

Timber, none.

From the cor. of secs. 9, 10, 15 and 16.

S. $89^{\circ} 57'$ W., bet. secs. 9 and 16.

Over broken land, along a broken irregular slope facing S.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 9 and 16.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 1 in. in the ground to bedrock, supported in a mound of stone, 4 ft. base to top, with brass cap mkd.

T20S R13W

 $\frac{1}{4}$ S 9
S16

1959

53.30 Wash, 1 ch. wide, 4 ft. deep, drains S.

56.70 Wash, 20 lks. wide, 5 ft. deep, course SE.; asc. 240 ft. over NE. slope.

65.00 Spur, slopes SE.; thence desc. 280 ft. over SW. slope.

79.99 True point for the cor. of secs. 8, 9, 16 and 17, in wash draining SE. The witness cor. of secs. 8, 9, 16 and 17 bears S. $0^{\circ} 02'$ E., 10 lks. dist., hereinbefore described.

Survey of a Portion of the Subdivision of T² 20 S., R. 13 W.

Chains

Land, broken.
Soil, shallow light clay and exposed limestone.
Timber, none.

From the standard cor. of secs. 32 and 33 on the S. bdy. of the Tp., an iron post, 2 ins. diam., set, mkd. and witnessed as described in the official record.

N. 0° 02' W., bet. secs. 32 and 33.

Over rolling land; asc. 120 ft.

10.20 Top of ascent, bears E. and W.; desc. 100 ft. over N. slope.

38.50 Base of slope, bears E. and W.; thence over nearly level land.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 32 and 33.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 22 ins. in the ground with brass cap mkd.

T20S R13W

$\frac{1}{4}$

S32|S33

1959

Build a mound of stone, 3 ft. base, 2 ft. high, W. of the iron post.

53.10 Trail road, bears NW. and SE.

80.00 Point for the cor. of secs. 28, 29, 32 and 33.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T20S R13W

S29|S28

S32|S33

1959

Build a mound of stone, 3 ft. base, 2 $\frac{1}{2}$ ft. high, W. of the iron post.

Land, rolling in S., nearly level in N.

Soil, light clay.

Timber, none.

From the standard cor. of secs. 31 and 32, on the S. bdy. of the Tp., an iron post, 2 ins. diam., set, mkd. and witnessed as described in the official record.

N. 0° 03' W., bet. secs. 31 and 32.

Over broken land; asc. 90 ft.

4.10 Spur, projects W.; desc. 100 ft. over NW. slope.

11.30 Wash, 20 lks. wide, 3 ft. deep; course N. 70° W.; asc. 150 ft. over SW. slope.

21.70 Spur, slopes W.; desc. 100 ft. over N. slope.

28.50 Wash, 20 lks. wide, 2 ft. deep, drains W.; asc. 120 ft. over S. slope.

of a Portion of the Subdivision of T20S., R. 13 W.

Chains

35.50

Spur, slopes W.; desc. along NW. slope.

40.00

Point for the $\frac{1}{4}$ sec. cor. of secs. 31 and 32.

Set an iron post, 30 ins. long, $2\frac{1}{4}$ ins. diam., 15 ins. in the
in a mound of stone, 3 ft. base to top, with brass cap mkd.

T20S R13W

S31|S32

1959

Desc. 120 ft. over NW. slope.

53.40

U. S. Highway Nos. 50 and 6, an asphalt surfaced road, bears SW.
NE.; slope changes to W.

66.80

Wash, 20 lks. wide, 3 ft. deep, drains S. 20° W.; asc. 120 ft. over
SE. slope.

80.00

Point for the cor. of secs. 29, 30, 31 and 32.

Set an iron post, 30 ins. long, $2\frac{1}{4}$ ins. diam., 22 ins. in the
with brass cap mkd.

T20S R13W

S30|S29

S31|S32

1959

Build a mound of stone, 3 ft. base, $2\frac{1}{4}$ ft. high, W. of the iron post.

Land, broken.

Soil, light clay.

Timber, none.

From the cor. of secs. 28, 29, 32 and 33.

S. $89^{\circ} 55'$ W., bet. secs. 29 and 32.

Over nearly level land.

19.10

Trail road, bears NW. and SE.

40.00

Point for the $\frac{1}{4}$ sec. cor. of secs. 29 and 32.

Set an iron post, 30 ins. long, $2\frac{1}{4}$ ins. diam., 22 ins. in the ground
with brass cap mkd.

T20S R13W

S29

S32

1959

Build a mound of stone, 3 ft. base, 2 ft. high, N. of the iron post.

Cont. over nearly level land.

67.40

U. S. Highway Nos. 50 and 6, an asphalt surfaced road, bears S. 22°
 $36'$ S. and N. $22^{\circ} 36'$ E.; asc. an E. slope.

71.40

Top of ascent on low point extending from the NW.; desc. 60 ft.

76.00

Wash, 20 lks. wide, 3 ft. deep, drains S. 20° W.

of a Portion of the Subdivision of T. 20 S., R. 13 W.

Chains

80.00

The cor. of secs. 29, 30, 31 and 32.

Land, nearly level.

Soil, sand and light clay.

Timber, none.

General Description

T. 20 S., R. 13 W. is located about 40 miles west of Delta, Utah, on Highway Nos. 50 and 6. The terrain is comprised of the southeasterly slopes of Notch Peak in the House Range of mountains.

There is very little timber in this township and the few growths of scrub juniper and scattered pinion is located in the higher northwest portion of the township.

Elevations vary from 7,500 feet above sea level in the northwest to 4,700 feet in the southeast.

The soil is made up of a light clay and sand. There is considerable limestone exposure in the north two-thirds of the township. No sources of water are located in the township and there are no inhabitants. Principal use of the township is for winter grazing by sheep. U. S. Highway Nos. 50 and 6 enters the township on the east boundary of section 24 and leaves the township on the west boundary of section 31. While no deposits of valuable minerals were noted within the township the area is typical of ore bearing claims being developed in adjoining townships.

Chains

Notes: 1. The following information is for the purpose of the

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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

[illegible]

CERTIFICATE OF CADASTRAL ENGINEER

I, Vern E. Lane, HEREBY CERTIFY upon honor that, pursuant of special instructions bearing date of the 3rd day of August, and supplemental special instructions dated June 28, 1954 I have ~~surveyed~~ supervised the survey of the north boundary and subdivision, retraced the Fourth Standard Parallel South in R. 13 W. and resurveyed the east boundary of T. 20 S., R. 13 W.

of the Salt Lake Meridian, in the State of Utah, which under my supervision represented in the foregoing field notes as having been executed ~~by me and my assistants~~; and said survey has been made in strict conformity with said instructions, the Manual of Instructions for Survey of the Public Lands of the United States, and in the specific manner described in the field notes.

January 15, 1960

Salt Lake City, Utah

Vern E. Lane

Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., DEC 9 1960, 19

The foregoing field notes of the survey of the north boundary and a portion of the subdivision, retracement of the Fourth Standard Parallel South in Range 13 dependent resurvey of the east boundary of T. 20 S., R. 13 W., Salt Lake Meridian, Utah

executed by Eldon W. Sibley, Cartographic Survey Aid, under the supervision of Vern E. Lane, Cadastral Surveyor having been critically examined and found correct, are hereby approved.

Donald O. Clement
Cadastral Engineering Staff Officer.

CERTIFICATE OF TRANSCRIPT

R. 13 W., SLM, Utah is a true copy of the original field notes.

Cadastral Engineering Staff Officer

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ORIGINAL

FIELD NOTES

OF THE

INDEPENDENT RESURVEY

OF A PORTION OF THE EAST AND NORTH BOUNDARIES

AND A PORTION OF THE SUBDIVISION

AND SURVEY

OF A PORTION OF THE EAST AND NORTH BOUNDARIES

AND A PORTION OF THE SUBDIVISION

OF

TOWNSHIP 20 SOUTH, RANGE 14 WEST

Of the Salt Lake Meridian,

In the State of Utah

EXECUTED BY

Vern E. Lane, Cadastral Surveyor (Chief of Party)

Lacel E. Bland, Cadastral Surveyor

Eldon W. Sibley, Cartographic Survey Aid

Under special instructions dated August 3, 1936, which provided
and supplemental special instructions dated June 28, 1954
for the surveys included under Group No. 272, approved September 16, 1936
July 15, 1954
and assignment instructions dated May 1, 1959

Survey commenced May 12, 1959

Survey completed June 29, 1959

INDEX DIAGRAM

Township 20 South						Range 14 West	
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18	17	19 16	14 15	14	13	4	
19	20	18 21	13 22	23	24	3	
30	29	28	13 27	26	25	2	
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GPO 866119

_____ Lacel E. Bland

_____ Eldon W. Sibley

Township 20 South, Range 14 West.

Chains

The south boundary, which is the Fourth Standard Parallel South, was surveyed by W. W. Bandy in 1925. The west boundary, a portion of the east and north boundaries and a portion of the subdivision were surveyed by A. J. Stewart Jr. in 1884. The west boundary was independently resurveyed concurrently and is described in the field notes of T. 20 S., R. 15 W.

The following field notes are those of the independent resurvey of a portion of the east and north boundaries and a portion of the subdivision; the survey of a portion of the east and north boundaries and a portion of the subdivision of T. 20 S., R. 14 W., deemed sufficient to facilitate the development of the natural resources and mark the boundaries of those sections that are normally considered state school sections.

The survey was executed with W. & L. E. Gurley Solar Transit Nos. 580515 and 491037 constructed in accordance with the standard instrumental specifications of the Bureau of Land Management. The instrument was in good condition prior to the beginning of the survey and was maintained in proper adjustment throughout the progress of this survey.

Corners on east-west lines were set on the true latitudinal curve. Lines connecting previously established corners were run by random and true method, but for simplification of the record the random lines are omitted from the field notes. In accordance with the intent of the special instructions, all subdivisional corners established are calculated to be at the position they would occupy if the entire township were subdivided.

Measurements herein contained were made with a narrow steel tape, 8 chains in length, graduated every link for the first 100 links and thereafter at intervals of 10 links. The tape was tested by comparison with a 1 chain standard steel tape and found to be correct. Measurements were made on the slope with the vertical angle of each interval ascertained by a clinometer in good adjustment; horizontal equivalents alone are entered in the field notes. All lines of this survey were run by direct method where the lines were accessible; lines inaccessible were run by traverse or triangulation methods. Distances to topography on lines run by traverse or triangulation are approximately as scaled from U. S. G. S. topographic sheets. The details of such traverses or triangulations have been thoroughly checked and verified, and in order to simplify the record the diagrams and reductions are omitted from these field notes.

The direction of the lines of this survey were determined by reference to true meridians established on line by hour angle observations on Polaris or altitude observations on the sun. The lines were carried forward by sustained angulation being supplemented by other numerous altitude observations on the sun taken throughout the progress of the survey.

The geographic position for the southeast corner of the township is at latitude $39^{\circ} 01' 07.1''$ and longitude $113^{\circ} 21' 43.5''$ as adjusted from traverses to U. S. G. S. triangulation stations within the area.

The magnetic declination was read at a number of stations throughout the township and the average of these readings was found to be $16^{\circ} 30'$ East.

Independent Resurvey of the East Boundary of T. 20 S., R. 14 W.

Superseding the survey executed by A. J. Stewart Jr. in 1884. No evidence of the original survey was found. Beginning at the Standard Tp. cor. of T. 20 S., Rs. 13 and 14 W., on the Fourth Standard Parallel South, an iron post, 3 ins. diam., firmly set, mkd. and witnessed as described in the official record. North, bet. secs. 31 and 36.

Independent Reserve, E. Bdy., T. 20 S., R. 14 W.

Chains

Over rolling land.

- 10.80 Wash, 70 lks. wide, 2 ft. deep, drains S. 70° W.
- 18.90 Trail road, bears S. 70° W. and N. 70° E.; asc. 10 ft. over S. slope.
- 24.50 Graded road, bears S. 50° W. and N. 50° E., 2.00 chs. to U. S. Highway 50 and 6.
- 25.50 U. S. Highway 50 and 6, bears N. 73° 30' E. and S. 73° 30' W., 3.00 chs., thence curves NW.; asc. 110 ft. over S. slope. No evidence of the original cor. was found.
- 40.00 Point for the $\frac{1}{2}$ sec. cor. of secs. 31 and 36.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 15 ins. in the ground to bedrock and in a mound of stone to top, 3 ft. base, with brass cap mkd.

T20S
R14W R13W
 $\frac{1}{2}$
S36 | S31
1959

- 41.00 Top of ascent; desc. 40 ft. over NE. slope.
- 46.20 Small ravine, drains S. 30° E.; asc. 80 ft. over S. slope.
- 52.70 Small ravine, drains S. 10° E.; asc. 20 ft. over S. slope.
- 58.70 Top of ascent; ridge, projects SE.; desc. 30 ft. over NE. slope.
- 61.30 Small ravine, drains SE.; asc. 40 ft. over S. slope.
- 64.70 Top of ascent; ridge, projects S. 70° E.; desc. 60 ft. over NE. slope.
- 74.40 Wash, 10 lks. wide, 2 ft. deep, drains SE.; asc. 60 ft. over S. slope. No evidence of the original cor. was found.
- 80.00 Point for the cor. of secs. 25, 30, 31 and 36.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 4 ins. in the ground to bedrock, and in a mound of stone to top, 4 ft. base, with brass cap mkd.

T20S
R14W R13W
S25 | S30
S36 | S31
1959

Land, rolling.
Soil, rocky and sandy.
Timber, none.

North, bet. secs. 25 and 30, beginning new survey.

Over rolling land; asc. 210 ft. over steep S. slope.

- 10.50 Spur, projects S. 70° E.; desc. 140 ft. over NE. slope.
- 19.70 Wash, 10 lks. wide, 2 ft. deep, drains SE.; asc. 200 ft. over S. slope.
- 27.90 Spur, projects E.; desc. 220 ft. over NE. slope.
- 39.00 Small ravine, drains E.; asc. 20 ft. over SE. slope.

Survey, E. Bdy., T. 20 S., R. 14 W.

Chains

- 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 25 and 30.
Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 15 ins. in the ground to bedrock, and in a mound of stone to top, $3\frac{1}{2}$ ft. base, with brass cap mkd.
- T20S
R14W R13W
 $\frac{1}{4}$
S25|S30
1959
- 48.60 Wash, 20 lks. wide, 2 ft. deep, drains SE.; asc. 150 ft. over SW. slope.
- 63.40 Spur, projects S. 80° E.; desc. 20 ft. over NE. slope.
- 70.50 Small ravine, drains SE.; asc. 80 ft. over S. slope.
- 79.80 Spur, projects S. 60° E.
- 80.00 Point for the cor. of secs. 19, 24, 25 and 30.
Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 5 ins. in the ground to bedrock, and in a mound of stone to top, 4 ft. base, with brass cap mkd.
- T20S
R14W R13W
S24|S19
S25|S30
1959
- Land, rolling and broken.
Soil, rocky and sandy.
Timber, none.
-
- North, bet. secs. 19 and 24.
Over rolling land; desc. 20 ft. over NE. slope.
- 6.40 Ravine, 10 lks. wide, 1 ft. deep, drains S. 30° E.; asc. 100 ft. over SE. slope.
- 17.60 Low ridge, bears W.; desc. 70 ft. over N. slope.
- 34.40 Small ravine, drains S. 70° E.; asc. 10 ft. over gentle SE. slope.
- 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 19 and 24.
Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the ground and in a mound of stone to top, 2 ft. base, with brass cap mkd.
- T20S
R14W R13W
 $\frac{1}{4}$
S24|S19
1959
- Asc. 30 ft. over gentle SE. slope.
- 52.90 Small spur, slopes SE.; desc. 190 ft. over NE. slope.
- 59.30 Wash, 40 lks. wide, 3 ft. deep, drains SE.; asc. 190 ft. over SE. slope.

Surv E. Ed. T. 20 S. R. 14 W.

Chains

80.00 Point for the cor. of secs. 13, 18, 19 and 24.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 18 ins. in the ground and in a mound of stone to top, $3\frac{1}{2}$ ft. base, with brass cap mkd.

T20S
R14W R13W
S13 | S18
S24 | S19
1959

Land, rolling.
Soil, gravelly and sandy.
Timber, none.

North, bet. secs. 13 and 18.

Over rolling land.

2.00 Ravine, 10 lks. wide, 1 ft. deep, drains SE.; asc. 20 ft. over SW. slope.

12.30 Base of ridge, bears S. 80° E. and N. 70° W.; trail road, bears same; asc. 110 ft. over SW. slope.22.30 Ridge, bears S. 70° E. and N. 70° W.; desc. 30 ft. over NE. slope.

24.90 Base of descent, bears E. & W.; Asc. 90 ft. over SE. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 13 and 18.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground to bedrock, and in a mound of stone to top, $3\frac{1}{2}$ ft. base, with brass cap mkd.

T20S
R14W R13W
 $\frac{1}{4}$
S13 | S18
1959

Asc. 50 ft. over ledgy SW. slope.

52.80 Wash, heads 3.00 chs. NW., 10 lks. wide, 1 ft. deep, drains S. 40° E.; asc. 300 ft. over broken S. slope.

64.70 Spur, projects E.; desc. 140 ft. over NE. slope.

74.50 Wash, 20 lks. wide, 1 ft. deep, drains S. 30° E.; asc. 80 ft. over SW slope.

80.00 Point for the cor. of secs. 7, 12, 13 and 18.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., over a cross (X) on solid rock, and in a mound of stone to top, 4 ft. base, with brass cap mkd.

T20S
R14W R13W
S12 | S 7
S13 | S18
1959

Land, broken and rolling.
Soil, rocky and sandy.
Timber, none.

S. 20. E. 14. T. 20. S. R. 14. W.

Chains

North, bet. secs. 7 and 12.

Over broken land, through scattering timber; asc. 160 ft. over broken SW. slope.

14.00 Ridge, bears S. 70° E. and N. 70° W.; desc. 330 ft. over broken NE. slope.

24.40 Ravine, drains N. 80° E.; thence along E. slope.

32.60 Wash, 50 lks. wide, 3 ft. deep, drains SE.; asc. 140 ft. over broken S. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 7 and 12.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 3 ins. in the ground to bedrock, and in a mound of stone to top, 4 ft. base, with brass cap mkd.

T20S
R14W R13W
 $\frac{1}{4}$
S12 | S 7
1959

Cor. is located on SW. slope.

41.90 Small ravine drains SW.; asc. 240 ft. over SW. slope.

62.50 Top of ascent; ridge, bears S. 30° E. and N. 10° W.; desc. 230 ft. over ledgy NE. slope.

75.50 Wash, 20 lks. wide, 1 ft. deep, drains E.; asc. 30 ft. over SE. slope.

80.00 Point for the cor. of secs. 1, 6, 7 and 12.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T20S
R14W R13W
S 1 | S 6
S12 | S 7
1959

No available accessories.

Land, broken.

Soil, rocky and sandy.

Timber, juniper.

North, bet. secs. 1 and 6.

Over rolling and broken land, through scattering timber; by triangulation, asc. about 530 ft. over rolling and broken SW. slope.

40.00 End of triangulation

Point for the $\frac{1}{4}$ sec. cor. of secs. 1 and 6.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 4 ins. in the ground to bedrock, and in a mound of stone to top, $3\frac{1}{2}$ ft. base, with brass cap mkd.

Sur E. T. 2 S. R. 14 W.

Chains

T20S
R14W R13WS 1 S 6
1959

Asc. 130 ft. over broken SW. slope.

- 46.00 Spur, projects SE.; by triangulation, desc. about 100 ft. over NE. slope.
- 60.00 Ravine, drains SE.; asc. about 800 ft. over broken ledgy S. slope.
- 77.70 Top of ascent; spur, projects S. 30° E.; desc. 20 ft. along NE. slope.
- 80.00 Point for the cor. of Ts. 19 and 20 S., Rs. 13 and 14 W.
Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground to bedrock, and in a mound of stone to top, 4 ft. base, with brass cap mkd.

T19S
R14W R13W
S36 S31
S 1 S 6
T20S
1959

Land, mountainous.
Soil, rocky clay, and sandy.
Timber, scattering juniper and pinon.

Survey of North Boundary of T. 20 S., R. 14 W.

From the cor. of Ts. 19 and 20 S., Rs. 13 and 14 W., an iron post, 2½ ins. diam., heretofore described.

S. 89° 59' W., bet. secs. 1 and 36.

Over broken mountainous land, through scattering timber; asc. 70 ft. over E. slope.

- 2.40 Spur, bears S. 30° E.; asc. 80 ft. over SE. slope.
- 11.70 Top of ascent; spur, projects S.; desc. 250 ft. over SW. slope.
- 15.30 Base of descent, bears S.; asc. 100 ft. over SE. slope.
- 29.80 Ravine, drains S. 40° E.; asc. 180 ft. over E. slope.
- 38.40 Top of ascent; spur, projects S. 10° E.; thence along S. slope.
- 40.00 Point for the ¼ sec. cor. of secs. 1 and 36.
Set an iron post, 30 ins. long, 2½ ins. diam., over a cross (X) on solid rock and in a mound of stone to top, 4 ft. base, with brass cap mkd.

T19S R14W
S36
S 1 S 6
T20S
1959

S. N. Bdv. T. 20 S., R. 14 W.

Chains

Desc. 10 ft. over SW. slope.

41.80 Top of ledge, 60 ft. high, bears N. 80° W. and S. 70° E.; desc. 140 ft. over broken SW. slope.

49.00 Spur, projects S.; desc. 150 ft. over broken SW. slope.

62.70 Spur, projects S. 20° W.; desc. 220 ft. along steep ledgy S. slope.

74.00 Spur, projects S.; desc. 140 ft. over broken SW. slope.

79.00 Head of ravine, drains S.; asc. 20 ft. over E. slope.

80.00 Point for the cor. of secs. 1, 2, 35 and 36.

Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to bedrock, and in a mound of stone to top, 3½ ft. base, with brass cap mkd.

T19S R14W

S35 | S36

S 2 | S 1

T20S

1959

Land, broken mountainous.

Soil, rocky, clay, and sandy.

Timber, scattering juniper and pinon.

S. 89° 59' W., bet. secs. 2 and 35.

Over broken land, through scattering timber; asc. 30 ft. over SE. slope.

2.40 Spur, projects S.; desc. 220 ft. over SW. slope.

20.00 Slope changes to W.; desc. 700 ft.

40.00 Point for the ¼ sec. cor. of secs. 2 and 35.

Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground to bedrock, and in a mound of stone to top, 3½ ft. base, with brass cap mkd.

T19S R14W

¼ S35

S 2

T20S

1959

Desc. 50 ft. over W. slope.

43.20 Base of steep descent, bears N. and S.; desc. 20 ft. over gently rolling W. slope in canyon.

50.50 Wash, 1.50 chs. wide, 1 ft. deep, drains S. 60° W.; desc. 90 ft. over rolling SW. slope.

70.50 Base of descent, bears S.; asc. 190 ft. over ledgy E. slope.

74.90 Spur, projects SE.; desc. 90 ft. over SW. slope.

80.00 Point for the cor. of secs. 2, 3, 34 and 35.

Set an iron post, 30 ins. long, 2½ ins. diam., over a cross (X) on solid rock, and in a mound of stone to top, 4 ft. base, with brass cap mkd.

Surye N. B. T. 20 S., R. 14 W.

Chains

T19S R14W

S34 | S35

S. 3 | S. 2

T20S

1959

Land, broken mountainous.

Soil, rocky, clay, and sandy.

Timber, scattering juniper and pinon.

S. 89° 59' W., bet. secs. 3 and 34.

Over broken mountainous land, through scattering timber; by triangulation, asc. about 70 ft. over SE. slope.

- 2.00 Spur, bears SW.; desc. about 200 ft. over steep W. slope.
- 10.00 Wash, in canyon, drains SW.; asc. about 240 ft. over ledgy SE. slope.
- 23.50 End of triangulation; spur, bears S. 10° E.; desc. 260 ft. over ledgy SW. slope.
- 37.40 Spur, bears S. 10° W.; desc. 90 ft. over W. slope.
- 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 3 and 34.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 15 ins. in the ground to bedrock, and in a mound of stone to top, 3 ft. base, with brass cap mkd.

T19S R14W

S34

 $\frac{1}{4}$ S 3

T20S

1959

Desc. 220 ft. over W. slope.

- 52.00 Wash, 1.00 ch. wide, 2 ft. deep, drains S. 60° W.; asc. 100 ft. over SE. slope.
- 61.10 Spur, bears S. 10° W.; desc. 110 ft. over SW. slope.
- 65.00 Wash, 40 lks. wide, 2 ft. deep, drains S.
- 68.80 Asc. 230 ft. over steep ledgy SE. slope.
- 77.40 Spur, bears S. 10° E.; desc. 50 ft. over SW. slope.
- 80.00 Point for the cor. of secs. 3, 4, 33 and 34.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., over a (X) cross on solid rock, and in a mound of stone to top, 4 ft. base, with brass cap mkd.

T19S R14W

S33 | S34

S 4 | S 3

T20S

1959

Land, broken mountainous.

Soil, rocky, clay, and sandy.

Timber, scattering juniper and pinon.

N. Bdy., T. 20 S., R. 14 W.

Chains

S. 89° 59' W., bet. sec. 4 and 33.

Over broken land; through scattering timber; desc. 30 ft. along S. slope.

3.30 Ravine, drains SE.; asc. 260 ft. over ledgy E. slope.

10.30 Spur, bears S. 10° W.; by triangulation, desc. about 400 ft. over ledgy SW. slope.

21.00 Ravine, drains S.; asc. 40 ft. along S. slope.

31.50 End of triangulation; spur, bears S. 10° W.; desc. 330 ft. over steep W. slope.

40.00 Point for the $\frac{1}{2}$ sec. cor. of secs. 4 and 33.Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 10 ins. in the ground to bedrock, and in a mound of stone to top, $3\frac{1}{2}$ ft. base, with brass cap mkd.

T19S R14W

 $\frac{1}{2}$ S33
S 4

T20S

1959

Desc. 220 ft. over steep W. slope.

52.10 Base of steep descent, bears N. and S.; desc. 130 ft. over rolling W. slope.

76.00 Wash, 30 lks. wide, 2 ft. deep, drains N. 80° W.

78.90 Wash, 30 lks. wide, 2 ft. deep, drains NW.

80.00 Point for the cor. of secs. 4, 5, 32 and 33.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T19S R14W

S32 | S33
S 5 | S 4

T20S

1959

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

Land, broken and rolling.

Soil, rocky, clay, and sandy.

Timber, scattering juniper and pinon 40.00 chs., none 40.00 chs.

Independent Resurvey of a Portion of the North Bdy., T. 20 S., R. 14 W.
Superseding the Survey Executed by A. J. Stewart Jr., Deputy Surveyor,
in 1884. (No Evidence of any Original Corners was Found Along This
Line.)

S. 89° 59' W., bet. sec. 5 and 32.

Over gently rolling land, draining NW.; desc. 110 ft.

36.40 Small wash, drains NW.; desc. 10 ft. over W. slope.

40.00 Point for the $\frac{1}{2}$ sec. cor. of secs. 5 and 32.Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, and in a collar of stone, with brass cap mkd.

Independent Resurvey, Portion of N. Bdy., T. 20 S., R. 14 W.

Chains

T19S R14W

 $\frac{1}{2}$ $\frac{S32}{S5}$

T20S

1959

45.20 Wash, 10 lks. wide, 1 ft. deep, drains NW.; desc. 90 ft. over gently rolling W. slope.

80.00 Point for the cor. of secs. 5, 6, 31 and 32.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T19S R14W

 $\frac{S31}{S6}$ $\frac{S32}{S5}$

T20S

1959

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

Land, gently rolling.

Soil, rocky, clay, and sandy.

Timber, none.

S. $89^{\circ} 59'$ W., bet. secs. 6 and 31.

Over gently rolling land, draining W.; desc. 15 ft. over W. slope.

12.70 Graded road, to Painter Springs, bears S. 10° E. and N. 10° W., 5.00 chs., thence NW.; desc. 20 ft. over slight W. slope.

40.00 Point for the $\frac{1}{2}$ sec. cor. of secs. 6 and 31.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T19S R14W

 $\frac{1}{2}$ $\frac{S31}{S6}$

T20S

1959

No available accessories.

Thence over nearly level land.

78.61 The cor. of Ts. 19 and 20 S., Rs. 14 and 15 W., monumented by an iron post, $2\frac{1}{2}$ ins. diam., set, mkd. and witnessed as described in the field notes of T. 20 S., R. 15 W. surveyed concurrently under Group 407.

Land, Gently rolling to nearly level.

Soil, clay and sandy.

Timber, none.

Survey of a Portion of the Subdivision, T. 20 S., R. 14 W.

From the standard cor. of secs. 35 and 36, monumented by an iron post 2 ins. diam., set, mkd. and witnessed as described in the official record.

N. $0^{\circ} 01'$ W., bet. secs. 35 and 36.

Over nearly level land

12.90 Graded road, bears NW, and SE.

Survey of Subdivision, T. 20 S., R. 14 W.

Chains

40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 35 and 36. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap mkd. T20S R14 W S35 S36 1959
	Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
45.20	Graded road, bears N. 60° E. and S. 60° W.
64.66	U. S. Highway 50 and 6, bears S. 68° E. and N. 68° W.
80.00	Point for the cor. of secs. 25, 26, 35 and 36. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 20 ins. in the ground, with brass cap mkd. T20S R14W S26 S25 S35 S36 1959
	Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor. Land, nearly level. Soil, sand. Timber, none. Undergrowth, sagebrush and shadscale.
Independent Resurvey of a Portion of the Subdivision of T. 20 S., R. 14 W., Superseding the Survey of A. J. Stewart Jr. in 1884. No evidence of the original corners was found.	
	From the cor. of secs. 25, 30, 31 and 36, on the E. bdy. of Tp., heretofore described. S. $89^{\circ} 56'$ W., bet. secs. 25 and 36. Over rolling land; desc. 10 ft. over W. slope.
5.10	Wash, 30 lks. wide, 3 ft. deep, drains SE.; asc. 270 ft. over steep E. slope.
15.40	Top of ridge, bears N. and S.; desc. 470 ft. over W. slope.
35.30	Wash, 30 lks. wide, 3 ft. deep, drains SW.; asc. 80 ft. over E. slope.
39.99	Point for the $\frac{1}{4}$ sec. cor. of secs. 25 and 36. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 12 ins. in the ground, to bedrock, and in a mound of stone to top, 3 ft. base, with brass cap mkd. T20S R14W $\frac{1}{4}$ S25 S36 1959
	Asc. 10 ft. over E. slope.
45.40	Spur, slopes SW.; desc. 240 ft. over W. slope.

510

Inde endent Reserve Portion of Subdivision T 20 S. R. 14 W.

Chains

79.98 The cor. of secs. 25, 26, 35 and 36.
Land, rolling and broken.
Soil, sand, clay and exposed granite.
Timber, none.
Undergrowth, scattered sagebrush and shadscale.

Survey of a Portion of the Subdivision of T. 20 S., R. 14 W.

From the standard cor. of secs. 33 and 34, monumented by an iron post 2 ins. in diam., set, mkd. and witnessed as described in the official record.

N. 0° 02' W., bet. secs. 33 and 34.

Over rolling land; asc. 50 ft. over S. slope.

16.10 Wash, 20 lks. wide, 2 ft. deep, drains S. 20° E.; asc. 260 ft. over SW. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 33 and 34.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 6 ins. in the ground to bedrock, and in a mound of stone to top, 4 ft. base, with brass cap mkd.

T20S R14W

S33|S34
1959

Asc. 160 ft. over SW. slope.

48.10 Crest of S. slope; desc. 50 ft. along E. slope.

59.10 Crest of N. slope; desc. 370 ft. over N. slope.

69.50 Wash, 20 lks. wide, 3 ft. deep, drains E.; asc. 80 ft. over S. slope.

75.10 Spur, slopes E.; desc. 70 ft. over N. slope.

78.20 Small wash, drains E.; asc. 50 ft. over S. slope.

80.00 Point for the cor. of secs. 27, 28, 33 and 34.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 8 ins. in the ground to bedrock, and in a mound of stone to top, 4 ft. base, with brass cap mkd.

T20S R14W

S28|S27
S33|S34
1959

Land, rolling to broken.
Soil, sand, clay and exposed limestone,
Timber, none.
Undergrowth, sagebrush and shadscale.

Survey Portion of T. 20 S. R. 14 W.

Chains	
	N. 0° 02' W., bet. secs. 27 and 28.
	Over broken land; asc. 40 ft. over S. slope.
2.60	Spur, slopes E.; desc. 500 ft. over broken N. slope.
19.00	Base of N. slope; desc. 60 ft. over gradual N. slope.
28.60	Trail road, bears N. 70° W. and S. 70° E.
40.00	Point for the $\frac{1}{2}$ sec. cor. of secs. 27 and 28.
	Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.
	T20S R14W $\frac{1}{2}$ S28 S27 1959
	Raise a mound of stone, 3 ft. base, $2\frac{1}{2}$ ft. high, W. of cor.
	Desc. gradual N. slope.
80.00	Point for the cor. of secs. 21, 22, 27 and 28.
	Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap mkd.
	T20S R14W S21 S22 S28 S27 1959
	Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
	Land, broken to nearly level.
	Soil, sand, clay and exposed granite.
	Timber, none.
	Undergrowth, sagebrush and shadscale.
	N. 0° 02' W., bet. secs. 21 and 22.
	Over nearly level desert land.
14.20	U. S. Highway 50 and 6, bears N. 55° 34' W., and S. 55° 34' E.
40.00	Point for the $\frac{1}{2}$ sec. cor. of secs. 21 and 22.
	Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.
	T20S R14W $\frac{1}{2}$ S21 S22 1959
	Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
49.80	Graded road, bears NW. and SE.
80.00	Point for the cor. of secs. 15, 16, 21 and 22. No evidence of the original cor. was found.
	Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap mkd.

Survey of Portion of Subdiv. T. 20 S. R. 14 W.

Chains

T20S R14W

S16 | S15

S21 | S22

1959

Raise a mound of stone, 3 ft. base, 2½ ft. high, W. of cor.

Land, nearly level.

Soil, sand.

Timber, none.

Undergrowth, sagebrush and shadscale.

N. 0° 02' W., bet. secs. 15 and 16.

Over nearly level land; asc. slight S. slope.

40.00 Point for the ¼ sec. cor. of secs. 15 and 16.

Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground to bedrock, and in a mound of stone to top, 3 ft. base, with brass cap mkd.

T20S R14W

S16 | S15

1959

Asc. 30 ft. over slight S. slope.

48.00 Base of steep S. slope; asc. 370 ft.

63.70 Spur, slopes SE.; desc. 110 ft. over NE. slope.

71.10 Wash, 30 lks. wide, 3 ft. deep, drains SE.; asc. 250 ft. over S. slope.

80.00 Point for the cor. of secs. 9, 10, 15 and 16.

Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground to bedrock, and in a mound of stone to top, 4 ft. base, with brass cap mkd.

T20S R14W

S 9 | S10

S16 | S15

1959

Land, nearly level to broken.

Soil, sand, clay and exposed granite.

Timber, none.

Undergrowth, sagebrush and shadscale.

N. 0° 02' W., bet. secs. 9 and 10.

Over broken land; asc. 140 ft. over S. slope.

4.80 Crest of NE. slope; by triangulation, desc. about 300 ft. over NE. slope.

16.00 Wash, drains SE.; asc. about 250 ft. over S. slope.

35.00 End of triangulation; top of ridge, bears N. 60° W., and S. 60° E.; desc. 90 ft. over N. slope.

40.00 Point for the ¼ sec. cor. of secs. 9 and 10.

T. 20 S. R. 14 W.

Chains

Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to bedrock, and in a mound of stone to top, 4 ft. base, with brass cap mkd.

T20S R14W

S 9 | S 10
1959

Desc. 10 ft. over N. slope.

40.60 Wash, 20 lks. wide, 2 ft. deep, drains E.; asc. 30 ft. over S. slope.

43.50 Spur, slopes W.; desc. 190 ft. over N. slope.

53.30 Wash, 20 lks. wide, 2 ft. deep, drains NW.; asc. 250 ft. over SW. slope.

70.00 Top of ridge, bears NW. and SE.; desc. 210 ft. over NE. slope.

80.00 Point for the cor. of secs. 3, 4, 9 and 10.

Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to bedrock, and in a mound of stone to top, 4 ft. base, with brass cap mkd.

T20S R14W

S 4 | S 3
S 9 | S 10
1959

Land, broken.

Soil, clay and exposed granite.

Timber, none.

Undergrowth, widely scattered sagebrush and shadscale.

N. 0° 07' W., bet. secs. 3 and 4.

Over rolling land in bottom of canyon; desc. 80 ft. over rolling N. slope.

13.30 Wash, 20 lks. wide, 3 ft. deep, drains W.; asc. 60 ft. over S. slope.

30.50 Wash, 150 lks. wide, 2 ft. deep, drains SW; also base of steep S. slope, asc. 90 ft. over S. slope.

40.00 Point for the ¼ sec. cor. of secs. 3 and 4.

Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground to bedrock, and in a mound of stone to top, 3½ ft. base, with brass cap mkd.

T20S R14W

S 4 | S 3
1959

Asc. 160 ft. over S. slope.

46.60 Ridge, bears N. 30° E. and S. 30° W.; desc. 250 ft. over NW. slope.

61.90 Wash, 30 lks. wide, 3 ft. deep, drains SW.; asc. 350 ft. over S. slope.

80.44 The cor. of secs. 3, 4, 33 and 34, on the N. bdy. of the Tp.

..Survey Portion To Subdivision T-20-S. 3-14-W.

Chains

Land, rolling to broken.
Soil, sand, clay and exposed granite.
Timber, widely scattered juniper and pinon.
Undergrowth, scattered sagebrush and shadscale.

From the cor. of secs. 1, 2, 35 and 36 on the N. bdy. of the Tp.

S. $0^{\circ} 01' E.$, bet. secs. 1 and 2.

Over mountainous land, through scattering timber; desc. 140 ft. over S. slope.

4.50 Ravine, drains S. $10^{\circ} W.$; desc. 170 ft. over SW. slope.

11.50 Same ravine, drains S. $20^{\circ} E.$; desc. 100 ft. over SE. slope.

17.20 Same ravine, drains SW.; leave timber, bears E. and W.; desc. 40 ft. over S. slope.

24.10 Spur, projects SW.; desc. 160 ft. over S. slope.

40.15 Point for the $\frac{1}{4}$ sec. cor. of secs. 1 and 2.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 18 ins. in the ground and in a mound of stone to top, 3 ft. base, with brass cap mkd.

T20S R14W

$\frac{1}{4}$
S 2 | S 1
1959

Desc. 70 ft. over S. slope.

50.10 Wash, 10 lks. wide, 2 ft. deep, drains S. $80^{\circ} E.$; asc. 60 ft. over N. slope.

57.10 Spur, projects S. $80^{\circ} E.$; thence along E. slope.

67.80 Slope changes to SE slope; desc. 70 ft.

71.20 Wash, 30 lks. wide, 2 ft. deep, drains N. $80^{\circ} E.$; asc. 140 ft. over steep N. slope.

79.50 Spur, projects N. $80^{\circ} E.$; desc. 10 ft. over S. slope.

80.15 Point for the cor. of secs. 1, 2, 11 and 12, at a distance calculated to intersect a theoretical parallel connecting the cor. of secs. 1, 6, 7 and 12 on the E. bdy. and the cor. of secs. 3, 4, 9 and 10.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 4 ins. in the ground to bedrock, and in a mound of stone to top, 4 ft. base, with brass cap mkd.

T20S R14W

S 2 | S 1
S11 | S12
1959

Land, mountainous.

Soil, rocky, clay and sandy.

Timber, scattering juniper, 17.00 chs.; none 63.00 chs.

From the cor. of secs. 1, 2, 11 and 12.

Portion of Subdivision T. 20 S. R. 14 W.

Chains

S. 89° 53' W., bet. secs. 2 and 11 on a theoretical parallel connecting the cor. of secs. 1, 6, 7 and 12 on the E. bdy. and the cor. of secs. 3, 4, 9 and 10 as specified in the special instructions.

Over broken mountainous land; asc. 180 ft. over E. slope on top of spur.

- 12.10 Thence along S. slope; desc. 10 ft.
- 24.70 Small ravine; drains SE.; asc. 50 ft. over E. slope.
- 28.40 Ridge, bears S. 20° E. and N. 20° W.; enter scattering timber, bears same; desc. 30 ft. along S. slope.
- 36.50 Spur, projects S.; desc. 90 ft. over SW. slope.
- 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 11.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 4 ins. in the ground to bedrock, and in a mound of stone to top, 4 ft. base, with brass cap mkd.

T20S R14W

$\frac{1}{4}$ S 2
S11
1959

Desc. 60 ft. over SW. slope.

- 43.50 Ravine, drains S.; asc. 30 ft. over SE. slope.
- 47.80 Spur, projects S.; desc. 200 ft. over SW. slope.
- 62.40 Ravine, drains S. 30° E., 4.00 chs. from head; asc. 110 ft. over E. slope.
- 68.90 Ridge, bears S. and NW.; desc. 170 ft. over steep SW. slope.
- 80.00 Point for the cor. of secs. 2, 3, 10 and 11.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground to bedrock, and in a mound of stone to top, 4 ft. base, with brass cap mkd.

T20S R14W

S 3 | S 2
S10 | S11
1959

Land, broken mountainous.
Soil, rocky, sandy, and clay.
Timber, scattering juniper.

N. 0° 01' E., bet. secs. 2 and 3.

Over broken mountainous land, through scattering timber; asc. 100 ft. over SW. slope.

- 7.30 Ridge, bears N. 80° W. and S. 80° E.; desc. 130 ft. over steep N. slope.
- 13.30 Wash, 30 lks. wide, 2 ft. deep, drains W.; asc. 80 ft. over SW. slope.
- 20.20 Ridge, bears W.

Survey, Portion of Subdivision, T. 20 S., R. 14 W.

Chains

- 23.70 Spur, slopes W.; desc. 70 ft. over NW. slope.
- 29.00 Ravine drains S. 60° W.; asc. 80 ft. over SW. slope.
- 31.60 Spur, projects W.; asc. 160 ft. over broken SW. slope.
- 40.00 Point for the $\frac{1}{2}$ sec. cor. of secs. 2 and 3,
- Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground to bedrock, and in a mound of stone to top, 3½ ft. base, with brass cap mkd.
- T20S R14W
 $\frac{1}{2}$
S 3 | S 2
1959
- Asc. 40 ft. over SW. slope,
- 42.60 Rim of canyon, bears SE. and NW.; by triangulation, desc. about 400 ft. over steep N. slope.
- 50.00 Wash, in canyon, drains NW.; asc. about 280 ft. over steep SW. slope.
- 62.00 Spur, bears N. 60° W.; desc. about 480 ft. over steep broken N. slope
- 74.00 Wash in canyon, 80 lks. wide, 3 ft. deep, drains S. 70° W.; asc. about 240 ft. over steep S. slope.
- 80.35 End of triangulation. The cor. of secs. 2, 3, 34 and 35 on the N. bdy. of the Tp.
- Land, badly broken.
Soil, rocky, clay and sandy.
Timber, scattering juniper.

Independent Resurvey of a Portion of the Subdivision of T. 20 S., R. 14 W., Superseding the Survey of Deputy Surveyor A. J. Stewart Jr. in 1884. No evidence of the original survey was found.

From the cor. of secs. 15, 16, 21 and 22.

West, bet. secs. 16 and 21.

Over nearly level land; desc. gradual W. slope.

- 24.70 Graded road, bears N. 49° W. and S. 49° E.
- 40.00 Point for the $\frac{1}{2}$ sec. cor. of secs. 16 and 21.
- Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.

T20S R14W

$\frac{1}{2}$ $\frac{S16}{S21}$
1959

- Raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.
- 72.00 Trail road, bears NE. and SW.
- 80.00 Point for the cor. of secs. 16, 17, 20 and 21.
- Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.

Resurvey of Portion of Subdivision, T. 20 S., R. 14 W.

Chains

T20S R14W

S17|S16

S20|S21

1959

Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor.

Land, nearly level.

Soil, sand.

Timber, none.

Undergrowth, sagebrush and shadscale.

N. 0° 03' W., bet. secs. 16 and 17.

Over nearly level land.

40.00 Point for the ¼ sec. cor. of secs. 16 and 17.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T20S R14W

S17|S16

1959

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

60.50 Graded road, bears S. 68° E. and N. 68° W.

80.00 Point for the cor. of secs. 8, 9, 16 and 17.

Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.

T20S R14W

S 8|S 9

S17|S16

1959

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

Land, nearly level.

Soil, sand.

Timber, none.

Undergrowth, sagebrush and shadscale.

Survey of a Portion of the Subdivision of T. 20 S., R. 14 W.

From the cor. of secs. 9, 10, 15 and 16.

S. 89° 57' W., bet. secs. 9 and 16, resuming original survey.

Over broken land; asc. 110 ft. along S. slope.

9.50 Crest of W. slope; desc. 450 ft. over W. slope.

Survey Portion of Subdivision T. 20 S. R. 14 W.

Chains

31.00 Base of steep W. slope; desc. over gradual W. slope.

40.02 Point for the $\frac{1}{4}$ sec. cor. of secs. 9 and 16.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 10 ins. in the ground, and in a mound of stone to top, $3\frac{1}{2}$ ft. base, with brass cap mkd.

T20S R14W

$\frac{1}{4}$ $\frac{S}{16}$

1959

Asc. 20 ft. over gradual E. slope.

50.00 Small spur, slopes S.; desc. 130 ft. over gradual W. slope.

80.04 The cor. of secs. 8, 9, 16 and 17.

Land, broken to rolling.

Soil, clay and sand.

Timber, none.

Undergrowth, scattered sagebrush and shadscale.

From the standard cor. of secs. 32 and 33, monumented by an iron post 2 ins. in diam., set, mkd. and witnessed as described in the official record.

N. $0^{\circ} 03'$ W., bet. secs. 32 and 33.

Over broken land; desc. 90 ft. over N. slope.

41.10 Trail road, in bottom of wash, bears E. and W.; asc. 570 ft. over SW. slope.

36.90 Spur, slopes S. 20° E.; desc. 20 ft. over NE. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 32 and 33.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 5 ins. in the ground to bedrock, and in a mound of stone to top, 4 ft. base, with brass cap mkd.

T20S R14W

$\frac{1}{4}$ S32 S33

1959

Desc. 10 ft. over NE. slope.

41.10 Small wash, drains SE.; asc. 340 ft. over S. slope.

65.90 Top of ascent, bears E. and W.; desc. 230 ft. over N. slope.

80.00 Point for the cor. of secs. 28, 29, 32 and 33.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 8 ins. in the ground to bedrock, and in a mound of stone to top, $3\frac{1}{2}$ ft. base, with brass cap mkd.

Portion of Subdivision T. 20 S. R. 14 W.

Chains

T20S R14W

S29|S28

S32|S33

1959

Land, broken.
Soil, clay and exposed granite.
Timber, none.
Undergrowth, widely scattered sagebrush and shadscale.

From the standard cor. of secs. 31 and 32, monumented by an iron post 2 ins. diam., set, mkd. and witnessed as described in the official records.

N. 0° 03' W., bet. secs. 31 and 32.

Over broken land; asc. 20 ft. over SW. slope.

5.80 Top of ridge, bears N. 10° W. and S. 10° E.; desc. 340 ft. along E. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 31 and 32, falls on large boulder and cannot be perpetuated.

40.08 Point selected for the witness $\frac{1}{4}$ cor. of secs. 31 and 32.

Set an iron post, 30 ins. long, 2½ ins. diam., on solid rock over a cross (X), and in a mound of stone to top, 4 ft. base, with brass cap mkd.

T20S R14W

S31|S32

W C

1959

Desc. 200 ft. along E. slope.

47.40 Wash, 20 lks. wide, 3 ft. deep, drains E.; asc. 120 ft. along E. slope.

57.30 Spur, slopes E.; desc. 490 ft. along E. slope.

80.00 Point for the cor. of secs. 29, 30, 31 and 32.

Set an iron post 30 ins. long, 2½ ins. diam., 10 ins. in the ground to bedrock, and in a mound of stone to top, 3 ft. base, with brass cap mkd.

T20S R14W

S30|S29

S31|S32

1959

Land, broken.
Soil, clay and exposed limestone.
Timber, none.
Undergrowth, scattered sagebrush and shadscale.

From the cor. of secs. 28, 29, 32 and 33.

S. 89° 59' W., bet. secs. 29 and 32.

Over broken land; desc. 490 ft. over W. slope.

Survey, Portion of Subdivision, T. 20 S.

Chains

(continued)

- 20.00 Wash, 20 lks. wide, 3 ft. deep, drains N.; asc. 30 ft. over E. slope.
- 28.00 Spur, projects N. 10° E.; desc. 210 ft. over W. slope.
- 38.40 Wash, 20 lks. wide, 3 ft. deep, drains N.; asc. 20 ft. over E. slope.
- 40.02 Point for the $\frac{1}{4}$ sec. cor. of secs. 29 and 32.
Set an iron post, 30 ins. long, 2½ ins. diam, 5 ins. in the ground to bedrock, and in a mound of stone to top, 3½ ft. base, with brass cap mkd.
- T20S R14W
 $\frac{1}{4}$ S29
S32
1959
- Asc. 30 ft. over E. slope.
- 45.90 Top of ascent, bears N. and S.; desc. 110 ft. over W. slope.
- 59.10 Wash, 30 lks. wide, 3 ft. deep, drains N.; asc. 220 ft. over E. slope.
- 73.10 Spur, slopes N. 10° E.; desc. 10 ft. along N. slope.
- 80.04 The cor. of secs. 29, 30, 31 and 32.
Land, broken,
Soil, clay and exposed granite.
Timber, widely scattered juniper and pinon.
Undergrowth, scattered sagebrush and shadscale.

General Description

The land within this township is mountainous and rolling desert. The elevations vary from 7600 feet above sea level on the mountains to 4500 feet above sea level on the desert. The mountain areas drain northerly and westerly into the desert.

The soil varies from sand, gravel and clay on the desert, to rocky, clay and sand on the mountains.

The timber is composed of scattering juniper and pinon of little commercial value.

Principal users of the area are sheepmen, and access into the township is provided by U. S. Highway 50 and 6 and desert roads. The surveyed lines crossed U. S. Highway 50 and 6 between sections 31 and 36 on the east boundary; between sections 35 and 36, between sections 21 and 22, and between sections 13 and 18 on the west boundary.

No mineral formations of consequence were noted during the survey.

FIELD ASSISTANTS

CERTIFICATE OF CADASTRAL ENGINEER


I, Vern E. Lane, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 3rd day of August, 1936,

I have ~~surveyed~~ supervised the independent resurvey of a portion of the E. and N. boundaries and a portion of the subdivision, and the survey of a portion of the E. and N. boundaries and a portion of the subdivision of T. 20 S., R. 14 W.

of the Salt Lake Meridian, in the State of Utah, which are represented in the foregoing field notes as having been executed ~~by me and under my supervision~~ ^{under my supervision}, and that said survey has been made in strict conformity with said instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

Salt Lake City, Utah

January 18, 1960


Vern E. Lane
Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., DEC 9 1960, 19

The foregoing field notes of the ~~survey of~~ independent resurvey of a portion of the E. and N. boundaries and a portion of the subdivision, and the survey of a portion of the E. and N. boundaries and a portion of the subdivision of T. 20 S., R. 14 W.,

Salt Lake Meridian, Utah

Lacel E. Bland, Cadastral Surveyor and
executed by Eldon W. Sibley, Cartographic Survey Aid, under the supervision of
Vern E. Lane, Cadastral Surveyor
having been critically examined and found correct, are hereby approved.

Cadastral Engineering Staff Officer.

CERTIFICATE OF TRANSCRIPT

I ~~CERTIFY~~ that the foregoing transcript of the field notes of the above described surveys in _____, is a true copy of the original field notes.

Cadastral Engineering Staff Officer.